

GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:42:33 ; Search time 21.6555 Seconds

(without alignments)
813.183 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104
Sequence: 1 DIQWTSPTLSASVGRVT.....EVTHTGLSPVTKSPNRGEC 213

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/PTCUS_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1057	95.7	235	2	US-09-910-059-52 Sequence 52, Appl
2	1051	95.2	235	2	US-09-171-945-99 Sequence 99, Appl
3	1051	95.2	235	2	US-09-910-059-99 Sequence 99, Appl
4	1050	95.1	235	2	US-09-171-945-52 Sequence 52, Appl
5	1049	95.0	213	2	US-09-996-288-231 Sequence 231, Appl
6	1049	95.0	213	2	US-09-996-265-231 Sequence 231, Appl
7	1044	94.6	213	2	US-09-996-288-255 Sequence 255, Appl
8	1044	94.6	213	2	US-09-996-265-255 Sequence 255, Appl
9	1043.5	94.5	213	2	US-08-630-820-6 Sequence 6, Appl
10	1043.5	94.5	213	2	US-09-273-453-6 Sequence 233, Appl
11	1043	94.5	213	2	US-09-996-288-233 Sequence 233, Appl
12	1043	94.5	213	2	US-09-996-288-239 Sequence 239, Appl
13	1043	94.5	213	2	US-09-996-288-241 Sequence 241, Appl
14	1043	94.5	213	2	US-09-996-288-247 Sequence 247, Appl
15	1043	94.5	213	2	US-09-996-288-243 Sequence 243, Appl
16	1043	94.5	213	2	US-09-996-265-239 Sequence 239, Appl
17	1043	94.5	213	2	US-09-996-265-241 Sequence 241, Appl
18	1043	94.5	213	2	US-09-996-265-247 Sequence 247, Appl
19	1042	94.4	213	2	US-09-996-288-211 Sequence 211, Appl
20	1042	94.4	213	2	US-09-996-265-211 Sequence 211, Appl
21	1041	94.3	235	2	US-09-171-945-97 Sequence 97, Appl
22	1041	94.3	235	2	US-09-910-059-97 Sequence 97, Appl
23	1039	94.1	213	2	US-09-996-288-237 Sequence 237, Appl
24	1039	94.1	213	2	US-09-996-288-243 Sequence 243, Appl
25	1039	94.1	213	2	US-09-996-265-237 Sequence 237, Appl
26	1039	94.1	213	2	US-09-996-265-243 Sequence 243, Appl
27	1038	94.0	213	2	US-09-996-288-245 Sequence 245, Appl

28	1038	94.0	213	2	US-09-996-265-245 Sequence 245, Appl
29	1035	93.8	213	2	US-09-996-288-221 Sequence 221, Appl
30	1035	93.8	213	2	US-09-996-288-257 Sequence 257, Appl
31	1035	93.8	213	2	US-09-996-265-221 Sequence 221, Appl
32	1035	93.8	213	2	US-09-996-265-257 Sequence 257, Appl
33	1034	93.7	213	2	US-09-996-288-217 Sequence 217, Appl
34	1034	93.7	213	2	US-09-996-265-217 Sequence 217, Appl
35	1033	93.6	213	2	US-09-996-288-235 Sequence 235, Appl
36	1033	93.6	213	2	US-09-996-265-235 Sequence 235, Appl
37	1031	93.4	213	2	US-09-996-288-209 Sequence 209, Appl
38	1031	93.4	213	2	US-09-996-265-209 Sequence 209, Appl
39	1030	93.3	213	2	US-09-996-288-219 Sequence 219, Appl
40	1030	93.3	213	2	US-09-996-265-219 Sequence 219, Appl
41	1029	93.2	213	2	US-09-996-288-215 Sequence 215, Appl
42	1029	93.2	213	2	US-09-996-265-215 Sequence 215, Appl
43	1029	93.2	213	2	US-09-996-288-253 Sequence 253, Appl
44	1029	93.2	213	2	US-09-996-265-215 Sequence 215, Appl
45	1029	93.2	213	2	US-09-996-265-227 Sequence 227, Appl

ALIGNMENTS

```
RESULT 1
US-09-910-059-52
Sequence 52, Application US/09910059
Patent No. 6903203
GENERAL INFORMATION:
APPLICANT: Copley, Clive G
APPLICANT: Edge, Michael Derek
APPLICANT: Emery, Stephen Charles
TITLE OF INVENTION: Monoclonal Antibody to CE4, Conjugates Comprising Said Antibody,
TITLE OF INVENTION: Their Therapeutic Use in an Adept System
FILE REFERENCE: 1991-209
CURRENT APPLICATION NUMBER: US/09/910,059
PRIOR FILING DATE: 2001-07-23
PRIOR APPLICATION NUMBER: US 09/171,945
PRIOR FILING DATE: 1998-10-29
PRIOR APPLICATION NUMBER: PCT/GB97/01165
PRIOR FILING DATE: 1997-04-29
PRIOR APPLICATION NUMBER: GB 9703103.3
PRIOR FILING DATE: 1997-02-14
PRIOR APPLICATION NUMBER: GB9609405.7
PRIOR FILING DATE: 1996-05-04
NUMBER OF SEQ ID NOS: 131
SOFTWARE: Patentin version 3.1
SEQ ID NO 52
LENGTH: 235
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: complete humanised light chain sequence
US-09-910-059-52
Query Match 95.7%; Score 1057; DB 2; Length 235;
Best Local Similarity 93.9%; Pred. No. 1.6e-75;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGRVTITCSASSISYMHYQOKPKAPKLLIYTSNLSGVAPR 60
Db 23 DIQWTSPTLSASVGRVTITCSASSISYMHYQOKPKAPKLLIYTSNLSGVAPR 82
QY 61 FSGSGSTETLTITSSIQPDPAFTTYRHQSTYPLTGGGTKEVKTVAAPSVFTIRPPS 120
Db 83 FSGSGSTETLTITSSIQPDPAFTTYRHQSTYPLTGGGTKEVKTVAAPSVFTIRPPS 142
QY 121 DEQKSGTASVCLNNFYPREAKQWKVNALQSGNSQSVTTEQDSKSTYSLSSTLT 180
Db 143 DEQKSGTASVCLNNFYPREAKQWKVNALQSGNSQSVTTEQDSKSTYSLSSTLT 202
QY 181 SKADYERHKYACVTHQGLSSPVTKSPNRGEC 213
Db 203 SKADYERHKYACVTHQGLSSPVTKSPNRGEC 235
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RESULT 2
US-09-171-945-99
; Sequence 99, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE REFERENCE: Monoclonal Antibody, and Their Therapeutic Use in an Adept System
; CURRENT APPLICATION NUMBER: US/09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-99

Query Match 95.2%; Score 1051; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 4.7e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPSR 82
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQRTYPLTFGQTKVEKRTVAAPSVFIPTPS 120
DB 83 FSGSGSGTDYFTLTISLQPEDDIATYYCOQKSTYPLTFGQTKLEIKRTVAAPSVFIPTPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 202
QY 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
DB 203 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 235

RESULT 3
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. 6903203
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910,059
; PRIOR FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04

; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: humanised light chain fd sequence
US-09-910-059-99

Query Match 95.2%; Score 1051; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 4.7e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPSR 82
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQRTYPLTFGQTKVEKRTVAAPSVFIPTPS 120
DB 83 FSGSGSGTDYFTLTISLQPEDDIATYYCOQKSTYPLTFGQTKLEIKRTVAAPSVFIPTPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 202
QY 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
DB 203 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 235

RESULT 4
US-09-171-945-52
; Sequence 52, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
; APPLICANT: Emery, Stephen
; APPLICANT: Copley, Clive Graham
; APPLICANT: Edge, Michael Derek
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
; FILE REFERENCE: Monoclonal Antibody, and Their Therapeutic Use in an Adept System
; CURRENT APPLICATION NUMBER: US/09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: GB9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-52

Query Match 95.1%; Score 1050; DB 2; Length 235;
Best Local Similarity 93.4%; Pred. No. 5.6e-75;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQWTPSTLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPAR 60
DB 23 DIQWTPSSLSASVGRVITTCSSASSISYMWYQKPKAPKLIYTSNLSAGVPSR 82
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQRTYPLTFGQTKVEKRTVAAPSVFIPTPS 120
DB 83 FSGSGSGTDYFTLTISLQPEDDIATYYCOQKSTYPLTFGQTKLEIKRTVAAPSVFIPTPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 180

Db 143 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 202
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 203 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 235

RESULT 5

US-09-996-288-231
; Sequence 231, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-231

Query Match 95.0%; Score 1049; DB 2; Length 213;
Best Local Similarity 94.8%; Pred. No. 6.1e-75;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Db 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Qy 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 6

US-09-996-265-231
; Sequence 231, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-231

Query Match 95.0%; Score 1049; DB 2; Length 213;
Best Local Similarity 94.8%; Pred. No. 6.1e-75;

Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Db 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Qy 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 7

US-09-996-288-255
; Sequence 255, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-255

Query Match 94.6%; Score 1044; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.5e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Db 1 DIQMTGSPSTLSASVGDRTVITCSASSISYMHYQOKPKAPKLLIYTSNLSAGVPR 60
Qy 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTEFTLTITSSIQPDPDFATYYCHQSTYPLTFGGGTKEIKRTVAAPSVFIFPPS 120
Qy 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Db 121 DEQKSGTASVCLNNFYPREAKVQWKVDNALQSGNSQGSVTEQDSKDSYSTLSSTLT 180
Qy 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHKYACVTHQGLSSPYTKSFNRGEC 213

RESULT 8

US-09-996-265-255
; Sequence 255, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265

;; CURRENT FILING DATE: 2001-11-28
;; NUMBER OF SEQ ID NOS: 259
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 255
;; LENGTH: 213
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-96-265-255

Query Match 94.6%; Score 1044; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1.5e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
DB 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
QY 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKTKVEIKRTVAAPSVFIAPP 120
DB 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKTKVEIKRTVAAPSVFIAPP 120
QY 121 DEQLKSGTASVCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
DB 121 DEQLKSGTASVCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 213

RESULT 9

US-08-630-820-6
Sequence 6, Application US/08630820
Patent No. 6008023

GENERAL INFORMATION:
APPLICANT: OPPER, Martin
APPLICANT: BOSSLER, Klaus
APPLICANT: CZECH, Joerg
TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
TITLE OF INVENTION: IN E. COLI
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,820
FILING DATE: 10-APR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19513676.4
FILING DATE: 11-APR-1995
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 18748/306
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 213 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-630-820-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
Best Local Similarity 93.9%; Pred. No. 1.6e-74;
Matches 200; Conservative 8; Mismatches 4; Indels 1; Gaps 1;

QY 1 DIQMTQSPSTLSASVGRVITTCASASSISYMHYQOKPGKAPKLLIYTTSNLASGVAPR 60
DB 2 DIQMTQSPSTLSASVGRVITTCSTSSVSVMYHQQKPGKAPKLLIYTTSNLASGVAPR 61
QY 61 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKTKVEIKRTVAAPSVFIAPP 120
DB 62 FSGSGSGTEFTLTISSLQPDPAFYTCFQSGGYFTFGGKTKVEIKRTVAAPSVFIAPP 120
QY 121 DEQLKSGTASVCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
DB 121 DEQLKSGTASVCLNNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSSTYSLSSTLT 180
QY 181 SKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 213
DB 181 SKADYEKHKVYACEVTHQGLSSPTKSFNRGEC 213

RESULT 10

US-09-273-453-6
Sequence 6, Application US/09273453
Patent No. 6602688

GENERAL INFORMATION:
APPLICANT: OPPER, Martin
APPLICANT: BOSSLER, Klaus
APPLICANT: CZECH, Joerg

TITLE OF INVENTION: CYTOPLASMIC EXPRESSION OF ANTIBODIES,
TITLE OF INVENTION: ANTIBODY FRAGMENTS AND ANTIBODY FRAGMENT FUSION MOLECULES
TITLE OF INVENTION: IN E. COLI

NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA

ZIP: 20007-5109
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/273,453
FILING DATE: 22-Mar-1999

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/630,820
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683

REFERENCE/DOCKET NUMBER: 18748/306
TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399

TELEX: 904136

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 213 amino acids
TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-273-453-6

Query Match 94.5%; Score 1043.5; DB 2; Length 213;
Best Local Similarity 93.9%; Pred. No. 1.6e-74;

US-09-996-288-247
; Sequence 247, Application US/09996288
; Patent No. 6818216
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 247
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-247

Query Match 94.5%; Score 1043; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1,8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSTLSASVGRVTITCSASSISYMAWYQKPKAPKLLIYTTSNLASGVAPR 60
Db 1 DIQMTQSPSTLSASVGRVTITCSASSISYMAWYQKPKAPKLLIYDTFRLASGVPSR 60
Qy 61 FSGSGSGTEFTLTISLQPDPAFYTCQKSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
Db 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGGYPTFGGTKEIKRTVAAPSVFIIPPS 120
Qy 121 DEQLKSGTASVYVCLNNFYPREAKYQKVDNALQSGNSQESVTEQDSKDSSTYSLSLTLL 180
Db 121 DEQLKSGTASVYVCLNNFYPREAKYQKVDNALQSGNSQESVTEQDSKDSSTYSLSLTLL 180
Qy 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

RESULT 15
US-09-996-265-233
; Sequence 233, Application US/09996265
; Patent No. 6855493
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
; FILE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 233
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-233

Query Match 94.5%; Score 1043; DB 2; Length 213;
Best Local Similarity 94.4%; Pred. No. 1,8e-74;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIQMTQSPSTLSASVGRVTITCSASSISYMAWYQKPKAPKLLIYTTSNLASGVAPR 60
Db 1 DIQMTQSPSTLSASVGRVTITCSASSISYMAWYQKPKAPKLLIYDTFRLASGVPSR 60
Qy 61 FSGSGSGTEFTLTISLQPDPAFYTCQKSTYPLTFGQGTKEVKTVAAPSVFIIPPS 120
Db 61 FSGSGSGTEFTLTISLQPDPAFYTCQSGGYPTFGGTKEIKRTVAAPSVFIIPPS 120

Qy 121 DEQLKSGTASVYVCLNNFYPREAKYQKVDNALQSGNSQESVTEQDSKDSSTYSLSLTLL 180
Db 121 DEQLKSGTASVYVCLNNFYPREAKYQKVDNALQSGNSQESVTEQDSKDSSTYSLSLTLL 180
Qy 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213
Db 181 SKADYERKHVYACEVTHQGLSSPYTKSFNRGEC 213

Search completed: May 15, 2006, 11:43:57
Job time : 22.6555 secs

GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: May 15, 2006, 11:57:43 ; Search time 71.1077 Seconds
(without alignments)
1251.589 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104
Sequence: 1 DIQMTQSPSTLSASVGRVT.....EVTHQGLSSPYTKSPNREGC 213

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBSCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10_PUBSCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBSCOMB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1104	100.0	213	5	US-10-822-300-118 Sequence 118, App
2	1104	100.0	213	5	US-10-947-432-1 Sequence 1, Appli
3	1057	95.7	235	3	US-09-910-059-52 Sequence 52, Appli
4	1057	95.7	235	4	US-10-608-710-2 Sequence 2, Appli
5	1051	95.2	213	3	US-09-910-059-99 Sequence 99, Appli
6	1049	95.0	213	3	US-09-996-288-231 Sequence 231, App
7	1049	95.0	213	3	US-09-996-265-231 Sequence 231, App
8	1049	95.0	213	5	US-10-900-230-231 Sequence 231, App
9	1049	95.0	213	5	US-10-962-285-231 Sequence 231, App
10	1049	95.0	213	5	US-10-403-180-231 Sequence 231, App
11	1044	94.6	213	3	US-09-996-288-235 Sequence 235, App
12	1044	94.6	213	3	US-09-996-265-255 Sequence 255, App
13	1044	94.6	213	5	US-10-900-230-255 Sequence 255, App
14	1044	94.6	213	5	US-10-962-285-255 Sequence 255, App
15	1044	94.6	213	5	US-10-403-180-255 Sequence 255, App
16	1043.5	94.5	213	5	US-10-632-815-6 Sequence 6, Appli
17	1043	94.5	213	3	US-09-996-288-233 Sequence 233, App
18	1043	94.5	213	3	US-09-996-288-239 Sequence 239, App
19	1043	94.5	213	3	US-09-996-288-239 Sequence 239, App
20	1043	94.5	213	3	US-09-996-288-241 Sequence 241, App
21	1043	94.5	213	3	US-09-996-288-247 Sequence 247, App
22	1043	94.5	213	3	US-09-996-265-233 Sequence 233, App
23	1043	94.5	213	3	US-09-996-265-239 Sequence 239, App
24	1043	94.5	213	3	US-09-996-265-241 Sequence 241, App
25	1043	94.5	213	3	US-10-900-230-247 Sequence 247, App
26	1043	94.5	213	5	US-10-900-230-239 Sequence 239, App
27	1043	94.5	213	5	US-10-900-230-241 Sequence 241, App

28	1043	94.5	213	5	US-10-900-230-247 Sequence 247, App
29	1043	94.5	213	5	US-10-962-285-233 Sequence 233, App
30	1043	94.5	213	5	US-10-962-285-239 Sequence 239, App
31	1043	94.5	213	5	US-10-962-285-241 Sequence 241, App
32	1043	94.5	213	5	US-10-962-285-247 Sequence 247, App
33	1043	94.5	213	5	US-10-403-180-233 Sequence 233, App
34	1043	94.5	213	5	US-10-403-180-239 Sequence 239, App
35	1043	94.5	213	5	US-10-403-180-241 Sequence 241, App
36	1043	94.5	213	5	US-10-403-180-247 Sequence 247, App
37	1042	94.4	213	3	US-09-996-288-211 Sequence 211, App
38	1042	94.4	213	3	US-09-996-265-211 Sequence 211, App
39	1042	94.4	213	5	US-10-900-230-211 Sequence 211, App
40	1042	94.4	213	5	US-10-962-285-211 Sequence 211, App
41	1042	94.4	213	5	US-10-403-180-211 Sequence 211, App
42	1041	94.3	235	3	US-09-910-059-97 Sequence 97, Appli
43	1039	94.1	213	3	US-09-996-288-237 Sequence 237, App
44	1039	94.1	213	3	US-09-996-288-243 Sequence 243, App
45	1039	94.1	213	3	US-09-996-265-237 Sequence 237, App

ALIGNMENTS

RESULT 1
US-10-822-300-118
Sequence 118, Application US/10822300
Publication No. US20050014934A1
GENERAL INFORMATION:
APPLICANT: Hinton, et al.
TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
FILE REFERENCE: 05882.0039 CPUS01
CURRENT APPLICATION NUMBER: US/10/822.300
CURRENT FILING DATE: 2004-04-09
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.2
SEQ ID NO 118
LENGTH: 213
TYPE: PRT
ORGANISM: Homo sapiens
US-10-822-300-118
Query Match 100.0%; Score 1104; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.3e-58;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLLIYTSNLSGVAR 60
DB 1 DIQMTQSPSTLSASVGRVTITCSASSISYMWYQKPKLLIYTSNLSGVAR 60
QY 61 FSGSGSGTEFTLTSSLPDPFATYYCHQRSTYPLTRGQKRVKRVAAAPSVIFPPS 120
DB 61 FSGSGSGTEFTLTSSLPDPFATYYCHQRSTYPLTRGQKRVKRVAAAPSVIFPPS 120
QY 121 DEQKSGTASVVCCLNPFYPRKAYQKVDNALQSGNSQSEVTEVDSDSTYSLSSTLT 180
DB 121 DEQKSGTASVVCCLNPFYPRKAYQKVDNALQSGNSQSEVTEVDSDSTYSLSSTLT 180
QY 181 SKADYEKKYVACEVTHQGLSSPYTKSPNREGC 213
DB 181 SKADYEKKYVACEVTHQGLSSPYTKSPNREGC 213
RESULT 2
US-10-947-432-1
Sequence 1, Application US/10947432
Publication No. US20050089517A1
GENERAL INFORMATION:
APPLICANT: Protein Design Labs, Inc.
TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR
FILE REFERENCE: 05882.0207.NPUS02

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; CURRENT APPLICATION NUMBER: US/10/947.432
; CURRENT FILING DATE: 2004-09-21
; PRIOR APPLICATION NUMBER: US 60/505,883
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: US 60/552,974
; PRIOR FILING DATE: 2004-03-12
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Humanized antibody
US-10-947-432-1
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Query Match          100.0%; Score 1104; DB 5; Length 213;
Best Local Similarity 100.0%; Pred. No. 1.3e-58;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 60
D 1 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 60
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
D 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
QY 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
D 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
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```

RESULT 3
US-09-910-059-52
; Sequence 52, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910.059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-09-910-059-52
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Query Match          95.7%; Score 1057; DB 3; Length 235;
Best Local Similarity 93.9%; Pred. No. 9e-56;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
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QY 1 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 60
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|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
D 23 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 82
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
D 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
QY 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
D 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
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RESULT 4
US-10-608-710-2
; Sequence 2, Application US/10608710
; Publication No. US20040117863A1
; GENERAL INFORMATION:
; APPLICANT: CTC Biotherapeutics, Inc.
; APPLICANT: Edge, Michael D
; APPLICANT: Pollock, Daniel
; APPLICANT: Echelard, Yann
; APPLICANT: Meade, Harry M
; APPLICANT: Rybak, Susana M
; TITLE OF INVENTION: Transgenically Produced Fusion Proteins
; FILE REFERENCE: CTC-42D
; CURRENT APPLICATION NUMBER: US/10/608.710
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US 09/398,610
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-10-608-710-2
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```

Query Match          95.7%; Score 1057; DB 4; Length 235;
Best Local Similarity 93.9%; Pred. No. 9e-56;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;

QY 1 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 60
D 23 DIQWTGSPSTLSASVGDRTVITCSASSISYMHYQOKPGKAPKLLIYTSNLSAGVPAR 82
QY 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 120
D 61 FSGSGSGTEFTLTISLQPDPAFYCHQGSTYPLTFGQGTKEVKRTVAAPSVFIPEPS 142
QY 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
D 121 DEQLKSGTASVVCILNNFYPREAKYQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 202
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
D 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
QY 203 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 235
D 203 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 235
```

```

RESULT 5
US-09-910-059-99
; Sequence 99, Application US/09910059
; Patent No. US20020142359A1
; GENERAL INFORMATION:
; APPLICANT: Copley, Clive G
; APPLICANT: Edge, Michael Derek
; APPLICANT: Emery, Stephen Charles
; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said Antibody,
US-09-910-059-99
```



```

; TITLE OF INVENTION: Their Therapeutic use in an Adept System
; FILE REFERENCE: 1991-209
; CURRENT APPLICATION NUMBER: US/09/910.059
; CURRENT FILING DATE: 2001-07-23
; PRIOR APPLICATION NUMBER: US 09/171,945
; PRIOR FILING DATE: 1998-10-29
; PRIOR APPLICATION NUMBER: PCT/GB97/01165
; PRIOR FILING DATE: 1997-04-29
; PRIOR APPLICATION NUMBER: GB 9703103.3
; PRIOR FILING DATE: 1997-02-14
; PRIOR APPLICATION NUMBER: GB9609405.7
; PRIOR FILING DATE: 1996-05-04
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 99
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: humanised light chain Rd sequence
US-09-910-059-99

Query Match          95.2%; Score 1051; DB 3; Length 235;
Best Local Similarity 93.4%; Pred. No. 2.1e-55;
Matches 199; Conservative 10; Mismatches 4; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 23 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 82
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGCRSTYPLTFQCGTKVEKRTVAAPSVFIFPPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 83 FSGSGSGTEFTLTISLQPDPAFYTCGCRSTYPLTFQCGTKVEKRTVAAPSVFIFPPS 142
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 143 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 202
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 203 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 235
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 6
US-09-996-288-231
; Sequence 231, Application US/09996288
; Patent No. US2002017126A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996,288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-231

Query Match          95.0%; Score 1049; DB 3; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGCRSTYPLTFQCGTKVEKRTVAAPSVFIFPPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 8
US-10-900-230-231
; Sequence 231, Application US/10900230
; Publication No. US2005002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900,230
; CURRENT FILING DATE: 2004-07-26
; PRIOR APPLICATION NUMBER: US/09/996,265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
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DB 61 FSGSGSGTEFTLTISLQPDPAFYTCGCGGVPFTFGGTVKEIKRTVAAPSVFIFPPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 7
US-09-996-265-231
; Sequence 231, Application US/09996265
; Publication No. US20030091584A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/09/996,265
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-265-231

Query Match          95.0%; Score 1049; DB 3; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 DIQMTQSPSTLSASVGRVITTCSSASSISYMHYQOKPGKAPKLLITTSNLSGVPAR 60
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGCGGVPFTFGGTVKEIKRTVAAPSVFIFPPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCGCGGVPFTFGGTVKEIKRTVAAPSVFIFPPS 120
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 121 DEQKSGTASVVCILNPFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSYSTISLTL 180
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 181 SKADYERKHYVACEVTHQGLSSPTKSPNRRGC 213
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 8
US-10-900-230-231
; Sequence 231, Application US/10900230
; Publication No. US2005002926A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylax
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-048-999
; CURRENT APPLICATION NUMBER: US/10/900,230
; CURRENT FILING DATE: 2004-07-26
; PRIOR APPLICATION NUMBER: US/09/996,265
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 231
; LENGTH: 213
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-900-230-231

Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
   |||||
DB 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120
   |||||
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120

QY 121 DEQLKSGTASVVCILNMFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
   |||||
DB 121 DEQLKSGTASVVCILNMFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180

QY 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
   |||||
DB 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213

RESULT 9
US-10-962-285-231
; Sequence 231, Application US/10962285
; Publication No. US20050147616A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/10/962, 285
; CURRENT FILING DATE: 2004-10-08
; PRIOR APPLICATION NUMBER: US/09/996, 288
; PRIOR FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-962-285-231

Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;
```

```
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-064-999
; CURRENT APPLICATION NUMBER: US/10/403,180
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: 60/368,729
; PRIOR FILING DATE: 2002-03-29
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-403-180-231
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```
Query Match          95.0%; Score 1049; DB 5; Length 213;
Best Local Similarity 94.8%; Pred. No. 2.5e-55;
Matches 202; Conservative 3; Mismatches 8; Indels 0; Gaps 0;
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```
QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
   |||||
DB 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120
   |||||
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120

QY 121 DEQLKSGTASVVCILNMFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
   |||||
DB 121 DEQLKSGTASVVCILNMFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180

QY 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
   |||||
DB 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
```

```
RESULT 11
US-09-996-288-255
; Sequence 255, Application US/09996288
; Patent No. US20020177126A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig
; APPLICANT: Leslie, Johnson
; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxi
; TITLE OF INVENTION: and Treatment
; FILE REFERENCE: 10271-047-999
; CURRENT APPLICATION NUMBER: US/09/996, 288
; CURRENT FILING DATE: 2001-11-28
; NUMBER OF SEQ ID NOS: 259
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 255
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-288-255
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Query Match          94.6%; Score 1044; DB 3; Length 213;
Best Local Similarity 94.4%; Pred. No. 4.9e-55;
Matches 201; Conservative 3; Mismatches 9; Indels 0; Gaps 0;
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```
QY 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYTTSNLASGVAPR 60
   |||||
DB 1 DIQWTGSPSTLSASVGDRTVITTCGASSSISYMHYQOKPKAPKLLIYDTSKLASGVPSR 60

QY 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120
   |||||
DB 61 FSGSGSGTEFTLTISLQPDPAFYTCGQSGTKEVKTVAAPSVFIIPPS 120
```

```
RESULT 10
US-10-403-180-231
; Sequence 231, Application US/10403180
; Publication No. US20050196749A1
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Qy	121	BEOLSSGASVVCILANPEPREAKQOMKDNALQSNQSESVYEDQSKOSTYLSSTLTL	180
Db	121	DEQLSSGASVVCILANPEPREAKQOMKDNALQSNQSESVYEDQSKOSTYLSSTLTL	180
Qy	181	SKADYERKHKVYACEVTHQGLSSPVYKSPNRGEC	213
Db	181	SKADYERKHKVYACEVTHQGLSSPVYKSPNRGEC	213

RESULT 12
US-09-996-265-255
; Sequence 255, Application US/09996265
; Publication No. US20030091584A1
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Query Match	94.6%;	Score 1044;	DB 3;	Length 213;
Best Local Similarity	94.4%;	Pred. No. 4.9e-55;		
Matches 201; Conservative	3;	Mismatches 9;	Indels 0;	Gaps 0

QY	DIOMTOSPTLSASVGRVMTITCSASSISYMHYOOKKCAKLLIYTSNLSASVPR	60
Db	1 DIOMTOSPTLSASVGRVMTITCSASSRVTGMYHYYOKKCAKLLIYDTSKLASGVPR	60
QY	61 FSGSGSGTEFTLLTSSIQPDDFATYYCHQRSTYPLTFQSGTKYEVKRTVAASVFLPPS	120
Db	61 FSGSGSGTEFTLLTSSIQPDDFATYYCFQSGGTFPIKRTVAASVFLPPS	120
QY	121 DEOLKSGTASVCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT	180
Db	121 DEOLKSGTASVCLINNFYPREAKVQKVDNALQSGNSQESVTEQDSKSTYSLSSTLT	180
QY	181 SKADYERGRKYACEVTHQGLSSPYTSGFRNGEC	213
Db	181 SKADYERGRKYACEVTHQGLSSPYTSGFRNGEC	213

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1 RESULT 13
2 US-10-900-230-255
3
4 ; Sequence 255, Application US/10900230
5 ; Publication No. US20050002926a1
6 ; GENERAL INFORMATION:
7 ; APPLICANT: Young, James
8 ; APPLICANT: Scott, Koenig
9 ; APPLICANT: Leslie, Johnson
10 ; TITLE OF INVENTION: Methods of Administering/Dosing Anti-RSV Antibodies for Prophylaxis
11 ; TITLE OF INVENTION: and Treatment
12 ; FILE REFERENCE: 10271-048-999
13 ; CURRENT APPLICATION NUMBER: US/10/900,230
14 ; CURRENT FILING DATE: 2004-07-26
15 ; PRIOR APPLICATION NUMBER: US/09/996,265
16 ; PRIOR FILING DATE: 2001-11-28
17 ; NUMBER OF SEQ ID NOS: 259
18 ; SOFTWARE: PatentIn version 3.1
19 ; SEQ ID NO 255
20 ; LENGTH: 213
21 ; TYPE: PRT
22 ; ORGANISM: Homo sapiens
23 US-10-900-230-255

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Query Match	94.6%;	Score 1044;	DB 5;	length 213;
Best Local Similarity	94.4%;	Pred. No. 4.9e-55;		
Matches 201; Conservative	3;	Mismatches 9;	Indels 0;	Gaps 0;

[illegible]

RESULT 14
US-10-962-285-255
; Sequence 255, Application US/10962285
; Publication No. US20050147616A1

Query Match	94.6%	Score 1044	DB 5	Length 213
Best Local Similarity	94.4%	Pred. No. 4.9e55		
Matches 201, Conservative	3	Mismatches 9	Indels 0	Gaps 0

QY	1	DIOMQSPETLSASVGDRTITICSASSSISSWMMYQOKRGKAPKLLITTTNSLASGVAP	60
			:
Db	1	DIOMTOSPELTLSASVGDRTITICSASSSGVGMHMYQOKRGKAPKLLITTTNSLASGVPSR	60
QY	61	FSGSGSGTEFTLLTISLQDPDFATYYCHQRTSYPLTFGQGTKEVKETVAAPSVFIFPPS	120
			:
Db	61	FSGSGSGTEFTLLTISLQDPDFATYYCHQSGSGYPTTFGGGTKEVILKRTVAAPSVFIFPPS	120
QY	121	DEOLKSGTASVVCILNNFYPREAKYQMKVADNALOSGNSQESVTEQDSKDSYISLSTLT	180
			:
Db	121	DEOLKSGTASVVCILNNFYPREAKYQMKVADNALOSGNSQESVTEQDSKDSYISLSTLT	180
QY	181	SKADYEKHKVYACEVTHQGLSPVTKSFNNRGC	213
			:
Db	181	SKADYEKHKVYACEVTHQGLSPVTKSFNNRGC	213

RESULT 15
US-10-403-180-255
; Sequence 255, Application US/10403180
; Publication No. US20050196749A1
; GENERAL INFORMATION:
; APPLICANT: Young, James
; APPLICANT: Scott, Koenig

GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: May 15, 2006, 11:59:14 ; Search time 12.2822 Seconds

(without alignments)
814.192 Million cell updates/sec

Title: US-10-822-300-118

Perfect score: 1104

Sequence: 1 DIQWQSPSTLSASVGRVT.....EVTHQGLSSPTKSPNNGEC 213

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 250354 seqs, 4694837 residues

Total number of hits satisfying chosen parameters: 250354

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA New:*
1: /SIDS5/ptodata/1/pubppa/US08_NEW_PUB.pep1.*
2: /SIDS5/ptodata/1/pubppa/US06_NEW_PUB.pep.*
3: /SIDS5/ptodata/1/pubppa/US07_NEW_PUB.pep.*
4: /SIDS5/ptodata/1/pubppa/US08_NEW_PUB.pep.*
5: /SIDS5/ptodata/1/pubppa/US09_NEW_PUB.pep.*
6: /SIDS5/ptodata/1/pubppa/US09_NEW_PUB.pep.*
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8: /SIDS5/ptodata/1/pubppa/US10_NEW_PUB.pep.*
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10: /SIDS5/ptodata/1/pubppa/US11_NEW_PUB.pep.*
11: /SIDS5/ptodata/1/pubppa/US11_NEW_PUB.pep.*
12: /SIDS5/ptodata/1/pubppa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1104	100.0	213	11	US-11-102-621-118 Sequence 118, App1
2	1057	95.7	235	11	US-11-166-994-2 Sequence 2, App1
3	1026	92.9	213	10	US-11-254-182-63 Sequence 63, App1
4	1026	92.9	213	11	US-11-120-338-13 Sequence 13, App1
5	1026	92.9	213	11	US-11-107-028-31 Sequence 31, App1
6	1026	92.9	213	11	US-11-106-820-24 Sequence 24, App1
7	1026	92.9	213	11	US-11-143-077-13 Sequence 13, App1
8	1026	92.9	213	11	US-11-143-386-13 Sequence 13, App1
9	1026	92.9	213	11	US-11-187-364-13 Sequence 13, App1
10	1026	92.9	213	11	US-11-208-422-26 Sequence 26, App1
11	1026	92.9	232	11	US-11-106-820-23 Sequence 23, App1
12	1026	92.9	232	11	US-11-190-364-21 Sequence 21, App1
13	1026	92.9	232	11	US-11-147-780-21 Sequence 21, App1
14	1020	92.4	213	10	US-11-254-182-64 Sequence 64, App1
15	1020	92.4	213	11	US-11-120-338-16 Sequence 16, App1
16	1020	92.4	213	11	US-11-102-621-135 Sequence 135, App1
17	1020	92.4	213	11	US-11-107-028-44 Sequence 44, App1
18	1020	92.4	213	11	US-11-106-820-29 Sequence 29, App1
19	1020	92.4	213	11	US-11-106-820-44 Sequence 44, App1
20	1020	92.4	213	11	US-11-143-077-16 Sequence 16, App1
21	1020	92.4	213	11	US-11-143-386-16 Sequence 16, App1

22	1020	92.4	213	11	US-11-187-364-28	Sequence 28, App1
23	1020	92.4	213	11	US-11-208-422-39	Sequence 39, App1
24	1009.5	91.4	214	11	US-11-208-422-15	Sequence 15, App1
25	1005.5	91.1	367	11	US-11-000-463-899	Sequence 899, App1
26	1002.5	90.8	241	11	US-11-106-820-15	Sequence 15, App1
27	1002.5	90.8	241	11	US-11-190-364-14	Sequence 14, App1
28	1002.5	90.8	241	11	US-11-147-780-14	Sequence 14, App1
29	1001.5	90.7	214	11	US-11-102-621-129	Sequence 129, App1
30	1000.5	90.6	214	10	US-11-219-121-27	Sequence 27, App1
31	1000.5	90.6	363	11	US-11-000-463-335	Sequence 335, App1
32	1000	90.6	219	11	US-11-259-332-72	Sequence 72, App1
33	1000	90.6	242	11	US-11-259-332-51	Sequence 51, App1
34	1000	90.6	242	11	US-11-259-332-56	Sequence 56, App1
35	1000	90.6	242	11	US-11-259-332-62	Sequence 62, App1
36	997.5	90.4	214	11	US-11-025-712-11	Sequence 11, App1
37	996.5	90.3	214	10	US-11-183-218-55	Sequence 55, App1
38	996.5	90.3	214	10	US-11-219-121-29	Sequence 29, App1
39	996.5	90.3	214	11	US-11-183-205-55	Sequence 55, App1
40	994.5	90.1	234	8	US-10-546-594-132	Sequence 132, App1
41	993.5	90.0	214	11	US-11-128-900-71	Sequence 71, App1
42	993.5	90.0	218	10	US-11-254-182-37	Sequence 37, App1
43	993.5	90.0	218	11	US-11-084-554-11	Sequence 11, App1
44	993.5	90.0	218	11	US-11-136-250-11	Sequence 11, App1
45	993.5	90.0	218	11	US-11-208-422-16	Sequence 16, App1

ALIGNMENTS

RESULT 1
US-11-102-621-118
; Sequence 118, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Tsurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vaquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/11/102.621
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 118
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-118
Query Match 100.0%; Score 1104; DB 11; Length 213;
Best Local Similarity 100.0%; Pred. No. 1e-66;
Matches 213; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 DIQWQSPSTLSASVGRVTITTCASSSISYMWYQKPGKAPKLLIYTTNLSGVAR 60
DB 1 DIQWQSPSTLSASVGRVTITTCASSSISYMWYQKPGKAPKLLIYTTNLSGVAR 60
QY 1 FSGSGSGTEFTLTSSLOPDPAFYTCYQKRTYELTTCQCKTKVKVAPSVPIFPSS 120
DB 61 FSGSGSGTEFTLTSSLOPDPAFYTCYQKRTYELTTCQCKTKVKVAPSVPIFPSS 120
QY 121 DEQKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTEQDSKSTYSSTLT 180
DB 121 DEQKSGTASVVCCLNPFYPREAKYQKVDNALSGNSQESVTEQDSKSTYSSTLT 180
QY 181 SKADYEKKKYVACEVTHQGLSSPTKSPNNGEC 213
DB 181 SKADYEKKKYVACEVTHQGLSSPTKSPNNGEC 213

RESULT 2
US-11-166-994-2
; Sequence 2, Application US/11166994
; Publication No. US20060026695A1
; GENERAL INFORMATION:
; APPLICANT: GTC Biotherapeutics, Inc.
; APPLICANT: Edge, Michael D
; APPLICANT: Pollock, Daniel
; APPLICANT: Echelard, Yann
; APPLICANT: Meade, Harry M
; APPLICANT: Rybak, Susanna M
; TITLE OF INVENTION: Transgenically Produced Fusion Proteins
; FILE REFERENCE: GTC-42D
; CURRENT APPLICATION NUMBER: US/11/166, 994
; CURRENT FILING DATE: 2005-06-24
; PRIOR APPLICATION NUMBER: US/10/608, 710
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US 09/398, 610
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: complete humanised light chain sequence
US-11-166-994-2

Query Match 95.7%; Score 1057; DB 11; Length 235;
Best Local Similarity 93.9%; Pred. No. 1.5e-63;
Matches 200; Conservative 10; Mismatches 3; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYTTSNLSAGVPAR 60
DB 23 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYTTSNLSAGVPSR 82
QY 61 FSGSGSTGTEFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 120
DB 83 FSGSGSGTDYFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 142
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 143 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 202
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
DB 203 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 235

RESULT 3
US-11-254-182-63
; Sequence 63, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GMEB, SHIANG C.
; APPLICANT: LIU, YUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254, 182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620, 413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 63
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:

; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-63

Query Match 92.9%; Score 1026; DB 10; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;
QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYTTSNLSAGVPAR 60
DB 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYAPSNLSAGVPSR 60
QY 61 FSGSGSTGTEFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 120
DB 61 FSGSGSGTDYFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 120
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 4
US-11-120-338-13
; Sequence 13, Application US/11120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREWAL, IOBAL S.
; APPLICANT: MALICK, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120, 338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568, 460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 13
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-120-338-13

Query Match 92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYTTSNLSAGVPAR 60
DB 1 DIQWTSPTLSASVGDRTVITTCASASSISYMHYQOKPGKAPKLIYAPSNLSAGVPSR 60
QY 61 FSGSGSTGTEFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 120
DB 61 FSGSGSGTDYFTLTITSSIQPDPAFYCHQRTYPLTFGQGTKEVKTVAAPSVFIPTPPS 120
QY 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
DB 121 DEQKSGTASVVCILNNFYPREAKVQKVDNALQSGNSQESVTEQDSKOSTYSLSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 5
US-11-107-028-31
; Sequence 31, Application US/11107028
; Publication No. US20050276803A1
; GENERAL INFORMATION:

```

; APPLICANT: CHAN, ANDREW C.
; APPLICANT: GONG, QIAN
; APPLICANT: MARTIN, PLAVIUS
; TITLE OF INVENTION: Method for Augmenting B Cell Depletion
; FILE REFERENCE: P2112R1
; CURRENT APPLICATION NUMBER: US/11/107,028
; CURRENT FILING DATE: 2005-04-15
; PRIOR APPLICATION NUMBER: US 60/563,263
; PRIOR FILING DATE: 2004-04-16
; NUMBER OF SEQ ID NOS: 52
; SEQ ID NO 31
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; OTHER INFORMATION: sequence is synthesized
US-11-107-028-31

```

```

Query Match          92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYTTSNLASGVAPR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYAPSNLASGVPSR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

RESULT 6
US-11-106-820-24
; Sequence 24, Application US/11106820
; Publication No. US2006002930A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: SEMELL, KATHRYN L.
; TITLE OF INVENTION: Treatment of Disorders
; FILE REFERENCE: P2102R1
; CURRENT APPLICATION NUMBER: US/11/106,820
; CURRENT FILING DATE: 2005-04-15
; PRIOR APPLICATION NUMBER: US 60/563,227
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/565,098
; PRIOR FILING DATE: 2004-04-22
; NUMBER OF SEQ ID NOS: 45
; SEQ ID NO 24
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; OTHER INFORMATION: sequence is synthesized
US-11-106-820-24

```

```

Query Match          92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYTTSNLASGVAPR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYAPSNLASGVPSR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

Db 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

RESULT 7
US-11-143-077-13
; Sequence 13, Application US/11143077
; Publication No. US20060024295A1
; GENERAL INFORMATION:
; APPLICANT: Brunetta, Paul G.
; TITLE OF INVENTION: METHOD FOR TREATING LUPUS
; FILE REFERENCE: P2133R1
; CURRENT APPLICATION NUMBER: US/11/143,077
; CURRENT FILING DATE: 2005-06-02
; PRIOR APPLICATION NUMBER: US 60/577,235
; PRIOR FILING DATE: 2004-06-04
; PRIOR APPLICATION NUMBER: US 60/617,997
; PRIOR FILING DATE: 2004-10-11
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 13
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; OTHER INFORMATION: Sequence is synthesized
US-11-143-077-13

```

```

Query Match          92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

```

```

Qy 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYTTSNLASGVAPR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 D1QWTOGSPSTLSASVGRVTTTCASASSISYMHYQOKPGKAPLLIYAPSNLASGVPSR 60
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 FSGSGGTGTFLLTITSLQPDPAFYTCQORSTYPLTGGQTKVEKRTVAAPSVFIIPPS 120
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 DEOLKSGTASVVCCLNNFYPREAKVQKVNALQSGNSQSVTEODSKDSTYSLSTLTL 180
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Qy 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 SKADYERKHYACVETHQGLSSPYTKSFNRGEC 213
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

```

```

RESULT 8
US-11-143-386-13
; Sequence 13, Application US/11143386
; Publication No. US20060051345A1
; GENERAL INFORMATION:
; APPLICANT: PROHNA, PAUL A.
; TITLE OF INVENTION: METHOD FOR TREATING MULTIPLE SCLEROSIS
; FILE REFERENCE: P2134R1
; CURRENT APPLICATION NUMBER: US/11/143,386
; CURRENT FILING DATE: 2005-06-02
; PRIOR APPLICATION NUMBER: US 60/576,993
; PRIOR FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 13
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; OTHER INFORMATION: sequence is synthesized
US-11-143-386-13

```

```

Query Match          92.9%; Score 1026; DB 11; Length 213;
Best Local Similarity 93.0%; Pred. No. 1.5e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

```


Db 80 FSGSGSGTDFLTITISLQPEDFATYYCQOWSFNPTFGQGTKEVETKRTVAAPSVFIFPPS 139
Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Db 140 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 199
Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
Db 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 12
US-11-190-364-21
Sequence 21, Application US/11190364
Publication No. US20060024300A1

GENERAL INFORMATION:
APPLICANT: Adams ET AL.
TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
FILE REFERENCE: P1990R3C1P1
CURRENT APPLICATION NUMBER: US/11/190,364
CURRENT FILING DATE: 2005-07-26

PRIOR APPLICATION NUMBER: US 60/434,115
PRIOR FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: US 60/526,163
PRIOR FILING DATE: 2003-12-01
PRIOR APPLICATION NUMBER: PCT/US03/40426
PRIOR FILING DATE: 2003-12-16
PRIOR APPLICATION NUMBER: US 11/147,780
PRIOR FILING DATE: 2005-06-07
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 21
LENGTH: 232
TYPE: PRT

ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized
US-11-190-364-21

Query Match 92.9%; Score 1026; DB 11; Length 232;
Best Local Similarity 93.0%; Pred. No. 1.7e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 60
Db 20 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 79
Db 61 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 120
Qy 80 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 139
Db 121 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Qy 140 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 199
Db 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
Qy 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 13
US-11-147-780-21
Sequence 21, Application US/11147780
Publication No. US20060034835A1

GENERAL INFORMATION:
APPLICANT: Adams ET AL.
TITLE OF INVENTION: Immunoglobulin Variants and Uses Thereof
FILE REFERENCE: P1990R3C1
CURRENT APPLICATION NUMBER: US/11/147,780
CURRENT FILING DATE: 2005-06-07

PRIOR APPLICATION NUMBER: US 60/434,115
PRIOR FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: US 60/526,163
PRIOR FILING DATE: 2003-12-01

PRIOR APPLICATION NUMBER: PCT/US03/40426
PRIOR FILING DATE: 2003-12-16
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 21
LENGTH: 232
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized
US-11-147-780-21

Query Match 92.9%; Score 1026; DB 11; Length 232;
Best Local Similarity 93.0%; Pred. No. 1.7e-61;
Matches 198; Conservative 6; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 60
Db 20 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 79
Qy 61 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 120
Db 80 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 139
Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Db 140 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 199
Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213
Db 200 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 232

RESULT 14
US-11-254-182-64
Sequence 64, Application US/11254182
Publication No. US20060088523A1

GENERAL INFORMATION:
APPLICANT: ANDYA, JAMES
APPLICANT: GWEE, SHIANG C.
APPLICANT: LIT, JTN
APPLICANT: SHEN, YE

TITLE OF INVENTION: ANTIBODY FORMULATIONS
FILE REFERENCE: P2104R1
CURRENT APPLICATION NUMBER: US/11/254,182
CURRENT FILING DATE: 2005-10-19
PRIOR APPLICATION NUMBER: US 60/620,413
PRIOR FILING DATE: 2004-10-20
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 64
LENGTH: 213
TYPE: PRT

ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-64

Query Match 92.4%; Score 1020; DB 10; Length 213;
Best Local Similarity 92.0%; Pred. No. 3.9e-61;
Matches 196; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

Qy 1 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 60
Db 1 DIOMTQSPSTLSASVGRVTTTCSSASSISYMWYQOKPGKAPKLLIYTTSNLASGVAPAR 60
Qy 61 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 120
Db 61 FSGSGSGTDFLTITISLQPEDFATYYCHQRTSTYPLTFGQGTKEVETKRTVAAPSVFIFPPS 120
Qy 121 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Db 121 DEOLKSGTASVYVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLT 180
Qy 181 SKADYEKKHYVACEVTHQGLSSPVTKSFNRGEC 213

Db 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213

RESULT 15
US-11-120-338-16
; Sequence 16, Application US/11120338
; Publication No. US20050271658A1
; GENERAL INFORMATION:
; APPLICANT: BRUNETTA, PAUL G.
; APPLICANT: GREWAL, IOBAL S.
; APPLICANT: MALICKE, PATRICIA A.
; TITLE OF INVENTION: PREVENTING AUTOIMMUNE DISEASE
; FILE REFERENCE: P2079R2
; CURRENT APPLICATION NUMBER: US/11/120,338
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: US 60/568,460
; PRIOR FILING DATE: 2004-05-05
; NUMBER OF SEQ ID NOS: 25
; SEQ ID NO 16
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-120-338-16

Query Match 92.4%; Score 1020; DB 11; Length 213;
Best Local Similarity 92.0%; Pred. No. 3,9e-61;
Matches 196; Conservative 8; Mismatches 9; Indels 0; Gaps 0;

QY 1 DIQMTQSPRSTISASVGDRTVITTCGSSSISYMHVYQOKPKAKPLIYTTSTNLASGVPAR 60
DB 1 DIQMTQSPRSTISASVGDRTVITTCRASSSVSYLHWYQOKPKAPKPLIYAPSNLASGVPSR 60
QY 61 FSGSGSGTEFTLTISSLQPDDEPATYVCHQSTYPLTFGQGTKEVKRTVAAPSVFIAPP 120
DB 61 FSGSGSGTDFLTITSSIQPEDPATYVCOQMAFNPTFGQGTKEIKRTVAAPSVFIAPP 120
QY 121 DEQLKSGTASVYCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 180
DB 121 DEQLKSGTASVYCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSKOSTYLSSTLT 180
QY 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213
DB 181 SKADYERKHYACEVTHQGLSSPVTKSFNRGEC 213

Search completed: May 15, 2006, 12:03:27
Job time : 13.2822 secs

GenCore version 5.1.8
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: May 15, 2006, 11:42:33 ; Search time 45.3445 Seconds

(without alignments)
813.183 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVQSGAEVKKRQSSVKV.....LHEALHHYTKSLSPK 446

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/1aa/5 COMB pep:*
2: /cgn2_6/ptodata/1/1aa/6 COMB pep:*
3: /cgn2_6/ptodata/1/1aa/H COMB pep:*
4: /cgn2_6/ptodata/1/1aa/PTCUS COMB pep:*
5: /cgn2_6/ptodata/1/1aa/RE COMB pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pap:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2239.5	94.0	449	1	US-08-458-516-13 Sequence 13, Appl
2	2202.5	92.5	472	2	US-09-301-593-43 Sequence 43, Appl
3	2190.5	92.0	470	2	US-09-238-741-4 Sequence 4, Appl
4	2178	91.4	452	2	US-09-027-449-71 Sequence 71, Appl
5	2178	91.4	452	2	US-09-026-985-71 Sequence 71, Appl
6	2178	91.4	452	2	US-09-121-952A-71 Sequence 71, Appl
7	2178	91.4	452	2	US-09-234-340A-71 Sequence 71, Appl
8	2178	91.4	452	2	US-09-355-014-71 Sequence 71, Appl
9	2171.5	91.2	476	1	US-08-378-939-10 Sequence 10, Appl
10	2165	90.9	489	2	US-10-104-047-3329 Sequence 3329, Ap
11	2153	90.4	454	1	US-07-934-373C-22 Sequence 22, Appl
12	2153	90.4	454	2	US-08-437-642B-22 Sequence 22, Appl
13	2153	90.4	454	2	US-08-146-206C-22 Sequence 22, Appl
14	2153	90.4	454	2	US-09-705-686-22 Sequence 22, Appl
15	2153	90.4	454	2	US-09-705-392A-22 Sequence 22, Appl
16	2153	90.4	454	2	US-09-705-358-22 Sequence 22, Appl
17	2153	90.4	454	4	PCT-US93-07632-22 Sequence 22, Appl
18	2150	90.3	453	2	US-09-301-593-18 Sequence 18, Appl
19	2144.5	89.0	466	2	US-09-698-705-11 Sequence 11, Appl
20	2141.5	89.9	468	2	US-09-485-737B-67 Sequence 67, Appl
21	2141.5	89.9	711	2	US-10-071-485-90 Sequence 90, Appl
22	2141.5	89.9	711	2	US-10-071-485-90 Sequence 90, Appl
23	2137.5	89.7	472	2	US-09-301-593-30 Sequence 30, Appl
24	2137.5	89.5	467	2	US-09-049-672A-8 Sequence 8, Appl
25	2133	89.1	449	2	US-09-679-397-2 Sequence 2, Appl
26	2123	89.1	449	2	US-09-680-148-2 Sequence 2, Appl
27	2123	89.1	449	2	US-09-680-148-2 Sequence 2, Appl

28	2123	89.1	449	2	US-09-304-465A-2	Sequence 2, Appl
29	2123	89.1	449	2	US-10-356-974-2	Sequence 2, Appl
30	2109.5	88.6	451	2	US-09-247-352-3	Sequence 3, Appl
31	2109.5	88.6	451	2	US-09-466-635-3	Sequence 3, Appl
32	2103.5	88.3	478	2	US-08-487-550-8	Sequence 8, Appl
33	2103.5	88.3	478	2	US-09-526-098-8	Sequence 8, Appl
34	2103.5	88.3	478	2	US-09-383-916-8	Sequence 8, Appl
35	2103.5	88.3	478	2	US-09-758-173-8	Sequence 8, Appl
36	2103.5	88.3	478	2	US-09-576-424-8	Sequence 8, Appl
37	2094.5	87.9	451	1	US-08-887-352B-18	Sequence 18, Appl
38	2094.5	87.9	451	2	US-09-109-207C-18	Sequence 18, Appl
39	2094.5	87.9	451	2	US-09-282-505-2	Sequence 2, Appl
40	2094.5	87.9	451	2	US-09-054-255-2	Sequence 2, Appl
41	2094.5	87.9	451	2	US-09-296-005-18	Sequence 18, Appl
42	2094.5	87.9	451	2	US-09-282-846-2	Sequence 2, Appl
43	2094.5	87.9	451	2	US-09-680-145-2	Sequence 2, Appl
44	2094.5	87.9	451	2	US-09-920-171-18	Sequence 18, Appl
45	2094.5	87.9	451	2	US-09-716-028-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESSES:
ADDRESS: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2420
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13
Query Match 94.0%; Score 2239.5; DB 1; Length 449;
Best Local Similarity 94.0%; Pred. No. 6.1e-15;
Matches 422; Conservative 16; Indels 3; Gaps 1;
QY 1 QVQLVQSGAEVKKRQSSVKVCKASGYTFSTYRHWVRQAPGQGLEWIGYINPSTGYTEY 60

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Db 1 QVQLVSGAEVKKGSSVKASCAAGFAFTNYLIEMWQAQGQLEWIGVITPDSGGTNY 60
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR---GGVFDWGGGTLVTVSSA 117
Db 61 NEKRGKATITADSTNTAYMELSLRSEDTAVYFCARDGNYGWFAGGTLVTVSSA 120
Qy 118 STKPSVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSG 177
Db 121 STKPSVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSG 180
Qy 178 LYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPELLGCP 237
Db 181 LYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPELLGCP 240
Qy 238 SVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPREEQNS 297
Db 241 SVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPREEQNS 300
Qy 298 TYRIVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPPSRDEL 357
Db 301 TYRIVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPPSRDEL 360
Qy 358 TKQNVSLTCLVKGFPYSDIAVWESNQGPNNNYKTPPVLDSDGSFLLYSKLTVDKSRMQ 417
Db 361 TKQNVSLTCLVKGFPYSDIAVWESNQGPNNNYKTPPVLDSDGSFLLYSKLTVDKSRMQ 420
Qy 418 QGNVPSGVMEALHNHYTQKSLSLSPGK 446
Db 421 QGNVPSGVMEALHNHYTQKSLSLSPGK 449
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RESULT 2

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US-09-301-593-43
; Sequence 43, Application US/09301593A
; Patent No. 6455677
; GENERAL INFORMATION:
; APPLICANT: Park, John E.
; APPLICANT: Bamberger, Uwe
; APPLICANT: Legier, Olivier
; APPLICANT: Saldanha, Jose W.
; APPLICANT: Rettig, Wolfgang J.
; TITLE OF INVENTION: FAP-specific Antibody with Improved Producibility
; FILE REFERENCE: 0652.1890001
; CURRENT FILING DATE: 1999-04-29
; EARLIER APPLICATION NUMBER: EP 98107925.4
; EARLIER FILING DATE: 1998-04-30
; EARLIER APPLICATION NUMBER: US 60/086,049
; EARLIER FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 43
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-301-593-43
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Query Match 92.5%; Score 2202.5; DB 2; Length 472;
Best Local Similarity 91.6%; Pred. No. 4.7e-162;
Matches 416; Conservative 10; Mismatches 19; Indels 9; Gaps 2;
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Qy 1 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVINTSTGYTEY 60
Db 20 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVINTSTGYTEY 79
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGGVFDWGGGTLV 112
Db 80 NQKRGKATITADSTNTAYMELSLRSEDTAVYYCARRRRAYGVDSHAMDIYGGGTLV 139
Qy 113 TVSSASTKGPSEVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTP 172
Db 113 TVSSASTKGPSEVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTP 172
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Db 140 TVSS- STKGPSEVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTP 198
Qy 173 LQSSGLYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPE 232
Db 199 LQSSGLYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPE 258
Qy 233 LGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPRE 292
Db 259 LGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPRE 318
Qy 293 EGYNSTRVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPP 352
Db 319 EGYNSTRVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPP 378
Qy 353 SRDELTKQVSLTCLVKGFPYSDIAVWESNQGPNNNYKTPPVLDSDGSFLLYSKLTVD 412
Db 379 SRDELTKQVSLTCLVKGFPYSDIAVWESNQGPNNNYKTPPVLDSDGSFLLYSKLTVD 438
Qy 413 KSRWQGNVPSGVMEALHNHYTQKSLSLSPGK 446
Db 439 KSRWQGNVPSGVMEALHNHYTQKSLSLSPGK 472
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RESULT 3

```
US-09-238-741-4
; Sequence 4, Application US/09238741
; Patent No. 6897044
; GENERAL INFORMATION:
; APPLICANT: BRASLAWSKY, GARY R.
; APPLICANT: HANNA, NABIL
; APPLICANT: HARIHARAN, KANDASAMY
; APPLICANT: LABAREE, MICHAEL J.
; APPLICANT: HUYNH, TRI B.
; TITLE OF INVENTION: PRODUCTION OF TETRAVALENT ANTIBODIES
; FILE REFERENCE: 23522.0584
; CURRENT FILING DATE: 1999-01-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: "Dimeric" Anti-CD20 Heavy Chain (Version 1)
US-09-238-741-4
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Query Match 92.0%; Score 2190.5; DB 2; Length 470;
Best Local Similarity 91.1%; Pred. No. 4e-161;
Matches 411; Conservative 14; Mismatches 21; Indels 5; Gaps 1;
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Qy 1 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVINTSTGYTEY 60
Db 20 QVQLVSGAEVKKGSSVKASCAAGTFTSYRMHWRAQAGGLEWIGVINTSTGYTEY 79
Qy 61 NQKRDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGGVFDWGGGTLV 115
Db 80 NQKRGKATITADSTNTAYMELSLRSEDTAVYYCARSTYYGDMYFNNWAGGTYTVSS 139
Qy 116 SASTKGPSEVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTP 175
Db 140 AASTKGPSEVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSNMGSALTSGVHTP 199
Qy 176 SGLYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPELLG 235
Db 200 SGLYSLSVTVTVSSSLGTQTYICNVNHPKSNKVDKVPKSCDKHTPCPCPAPELLG 259
Qy 236 GPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPREBOY 295
Db 260 GPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVENNAKTKPREBOY 319
Qy 296 NSTYRIVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPPSRD 355
Db 296 NSTYRIVSVTLVHQMNLNGKEYKCKVSNKALPAPIEKTIKSKAKGQPREPOVYTLPPSRD 355
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Db 320 NSTRRVSVLTJVLHODMLNGEKYCKVSNKLLPAPTEKTSKAKGQPREPQVYTLPPSRD 379
Qy 356 ELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSGSPFLYSKLTVDKSR 415
Db 380 ELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSGSPFLYSKLTVDKSR 439
Qy 416 MOQGNVPSCSVLHEALHNHYTOKSLSPGK 446
Db 440 MOQGNVPSCSVLHEALHNHYTOKSLSPGK 470

RESULT 4
US-09-027-449-71
Sequence 71, Application US/09027449
Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/027,449
FILING DATE: 20-Feb-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/074,330
FILING DATE: 22-Jan-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/038,664
FILING DATE: 21-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-027-449-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

Qy 1 QVQLVQSGAEVKKPGSSVKASCKASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 60
Db 1 EVQLVQSGGGLVQPGSGRLSCAASGYSFSSHYMHWRQAPGKGLEWIGYIDPSNGETTY 60
Qy 61 NQPKDKATITADESTNIAVMELSLRSEDTAVYYCAR-----GGGVFDYWGQGLTAVTV 114
Db 61 NQPKFGRFTLSNDKNTAYILQMNSLRADDAVYYCARGDYRKNYNDWDFDVGQGLTAVTV 120
Qy 115 SSASTKGSVPFLPASSTSGTAAAGCLVVDYPPPEVTWSMNSGALTSGVHTPPAVLQ 174

Db 121 SSASTKGSVPFLPASSTSGTAAAGCLVVDYPPPEVTWSMNSGALTSGVHTPPAVLQ 180
Qy 175 SSGLYSLSSVTVVSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTPCPCAPRL 234
Db 181 SSGLYSLSSVTVVSSSLGQTYICNVNHNKPSNTKVDKVEPKSCDKHTPCPCAPRL 240
Qy 235 GGPVFLFPPEPKDQLMISRTPEVTCVVVDVSHEDPEVKFMVYDGVENVNAKTRPREQ 294
Db 241 GGPVFLFPPEPKDQLMISRTPEVTCVVVDVSHEDPEVKFMVYDGVENVNAKTRPREQ 300
Qy 295 YNSTYRVSVLTJVLHODMLNGEKYCKVSNKLLPAPTEKTSKAKGQPREPQVYTLPPSR 354
Db 301 YNSTYRVSVLTJVLHODMLNGEKYCKVSNKLLPAPTEKTSKAKGQPREPQVYTLPPSR 360
Qy 355 DELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSGSPFLYSKLTVDKS 414
Db 361 DELTKNOVSLTCLVKGFPSPDIAYEWESNGOPENNYKTTTPVLDSGSPFLYSKLTVDKS 420
Qy 415 RMQGNVPSCSVLHEALHNHYTOKSLSPGK 446
Db 421 RMQGNVPSCSVLHEALHNHYTOKSLSPGK 452

RESULT 5
US-09-026-985-71
Sequence 71, Application US/09026985
Patent No. 6133426
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/026,985
FILING DATE: 20-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1085R3-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-026-985-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

Qy 1 QVQLVQSGAEVKKPGSSVKASCKASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY 60
Db 1 EVQLVQSGGGLVQPGSGRLSCAASGYSFSSHYMHWRQAPGKGLEWIGYIDPSNGETTY 60
Qy 61 NQPKDKATITADESTNIAVMELSLRSEDTAVYYCAR-----GGGVFDYWGQGLTAVTV 114

Db	61	NOFKRGFTLSRDNSTKNTAYLQMNSTRADETIAVYICAGDGYRNGDMFEIDWGGGTAVTV	120
Qy	115	SSASTKGPSTVFPLAPSSKSTSGGTALGCLVXDYFPEEPVYMSNGALTSGVHFFPAVLQ	174
Db	121	SSASTKGPSTVFPLAPSSKSTSGGTALGCLVXDYFPEEPVYMSNGALTSGVHFFPAVLQ	180
Qy	175	SSGLYSSSVVTVPPSSSLGTQYVICNVNKPSTNTVDKKBVEKSCDKTHTCPPCAPELL	234
Db	181	SSGLYSSSVVTVPPSSSLGTQYVICNVNKPSTNTVDKKBVEKSCDKTHTCPPCAPELL	240
Qy	235	GGPSVFLFPKPKPDQMLMISRTPEVTCVVVDVSHEDPEVKFNNVYDVGVEVNAKTRPBEQ	294
Db	241	GGPSVFLFPKPKPDQMLMISRTPEVTCVVVDVSHEDPEVKFNNVYDVGVEVNAKTRPBEQ	300
Qy	295	YNSTYRVSVLTVLHDQMLNGEKYCKCVSNKALPAPIETKISKAKGQPREPOVYTLPPSR	354
Db	301	YNSTYRVSVLTVLHDQMLNGEKYCKCVSNKALPAPIETKISKAKGQPREPOVYTLPPSR	360
Qy	355	DELTKQVSLTCLVKGFPSPDIAVENESNGQDENNYKTTPTPLBDSGFFLYSLTLVDKS	414
Db	361	EEMTKQVSLTCLVKGFPSPDIAVENESNGQDENNYKTTPTPLBDSGFFLYSLTLVDKS	420
Qy	415	RMQGQNVFSCSVLHEALAHNHYTQKSLSTSPGK	446
Db	421	RMQGQNVFSCSVVHEALAHNHYTQKSLSTSPGK	452

RESULT 6
 US-09-121-952A-71
 ; Sequence 71, Application US/09121952A
 ; Patent No. 645835
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc., Hsai, Vanessa
 ; APPLICANT: Komenets, Iphigenia
 ; APPLICANT: Leong, Steven R.
 ; APPLICANT: Preeta, Leonard G.
 ; APPLICANT: Shahrokh, Zahra
 ; APPLICANT: Zapata, Gerardo A.
 ; TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
 ; NUMBER OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
 ; NUMBER OF SEQUENCES: 72
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Winpatin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/121,952A
 ; FILING DATE: 24-Jul-1998
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/074330
 ; FILING DATE: 22-JAN-1998
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/075467
 ; FILING DATE: 20-FEB-1998
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Love, Richard B.
 ; REGISTRATION NUMBER: 34,659
 ; REFERENCE/DOCKET NUMBER: P1085R4
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650/225-5530
 ; TELEFAX: 650/952-9881
 ; INFORMATION FOR SEQ ID NO: 71:
 ; SEQUENCE CHARACTERISTICS:

```

;      LENGTH: 452 amino acids
;      TYPE: Amino Acid
;      TOPOLOGY: Linear
US-09-121-952A-71

Query Match      91.4%   Score 2178; DB 2;   Length 452;
Best Local Similarity 89.4%   Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

```

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OY 1 QVQVLQSGAEVKKPKGSSVYVSCASQVFFYTSYRHMHWAOAGQLEMLGYNBPGTYLX 60
Db 1 EVOVLQSGGGIIVQPGSLRLSCASQSFSSHHMHWAOAGKGLEWVGWYIDPENGETTY 60
OY 61 NQFKOKATITTADESTNTAYMELSLRSBEDPVAITYCAR-----GGSVPTWQGGTLVTY 114
Db 61 NQFKPRFTLSRNSKNTATYLCOMNSLRBEDTAYVYCAAGDYRXNGWDFFDWQGGTLVTY 120
OY 115 SSKASTGSPVPLAPBSKSGTGAALCGLVKDQPEPEVTVSNMGSALTSGVHTFPVAVLQ 174
Db 121 SSKASTGSPVPLAPBSKSGTGAALCGLVKDIFPEPEVTVSNMGSALTSGVHTFPVAVLQ 180
OY 175 SSGGLYSLSSTVYVPPSSLSLGTQTYICNVNHNKPSNTKVDKRVPKSCDXTHTCPCPABELL 234
Db 181 SSGGLYSLSSTVYVPPSSLSLGTQTYICNVNHNKPSNTKVDKRVPKSCDXTHTCPCPABELL 240
OY 235 GGSVSFLPPPKPKDQMLSTRTPBUTCVVVDVSHEDPEPKFPMWYVDGVEVNAKTKPREEQ 294
Db 241 GGSVSFLPPPKPKDQMLSTRTEVTCVVVDVSHEDPEPKFPMWYVDGVEVNAKTKPREEQ 300
OY 295 YNSYTVVSVTLVTLVHODMLNGKEYCKVSNKALPAPIKRTSKAKGQPREPOVYTLPPSR 354
Db 301 YNSYTVVSVTLVTLVHODMLNGKEYCKVSNKALPAPIKRTSKAKGQPREPOVYTLPPSR 360
OY 355 DELTKNQVSLTCLVKGFYPSDIAVEMESNGQPRENNYKTTTPVLDSDGSFLYSKLTIVDKS 414
Db 361 EEMTKNQVSLTCLVKGFYPSDIAVEMESNGQPRENNYKTTTPVLDSDGSFLYSKLTIVDKS 420
OY 415 RMQOGNVFSCSVLHEALHNHYTQKSLSLSPGK 446
Db 421 RMQOGNVFSCSVLHEALHNHYTQKSLSLSPGK 452

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RESULT 7
 US-09-234-340A-71
 Sequence 71, Application US/09234340A
 Patent No. 6468532
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc., Hseil, Vanessa
 APPLICANT: Koumensis, Iphigenia
 APPLICANT: Leong, Steven R.
 APPLICANT: Presta, Leonard G.
 APPLICANT: Shahrokh, Zahra
 APPLICANT: Zapata, Gerardo A.
 TITLE OF INVENTION: METHODS OF TREATING INFLAMMATORY DISEASES
 TITLE OF INVENTION: WITH ANTI-IL-8 ANTIBODY FRAGMENT-POLYMER CONJUGATES
 NUMBER OF SEQUENCES: 72
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpacin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/234,340A
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/121,952
FILING DATE: 24-Jul-1998
APPLICATION NUMBER: 60/074330
FILING DATE: 22-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/075467
FILING DATE: 20-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108584
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-09-234-340A-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQVQSGAEVKKPSSSVKSCSKASGYFTSYRMHWVQAPQGLWIGYINPSTGYEY 60
DB 1 EVQLVQSGGLVQGGSLRLSCAASGYFSFHHMWVQAPKGLWIGYIDPSNGETTY 60
QY 61 NQKPKDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTVTV 114
DB 61 NQKPKGRFTLSRDNSKNTAYLQMNSLRADTAIVYCAAGDYRYNGDWDFDVGQGLTVTV 120
QY 115 SSASTKGPVPLPSSKSTSGTALGLVKDYFPEPYTYSWNSGALTSGVHTFPAYLQ 174
DB 121 SSASTKGPVPLPSSKSTSGTALGLVKDYFPEPYTYSWNSGALTSGVHTFPAYLQ 180
QY 175 SSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVPKSCDKTHTCPCPAPRL 234
DB 181 SSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVPKSCDKTHTCPCPAPRL 240
QY 235 GGPVFLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 294
DB 241 GGPVFLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 300
QY 295 YNSTTRVVSVLTVAHQDWLNGKEYCKVSNKALPAPIETKISKAKGPREPOVYTLPPSR 354
DB 301 YNSTTRVVSVLTVAHQDWLNGKEYCKVSNKALPAPIETKISKAKGPREPOVYTLPPSR 360
QY 355 DELTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 414
DB 361 EEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 420
QY 415 RMQGNVFSQSVLHEALHNHYTQKSLSLSPGK 446
DB 421 RMQGNVFSQSVLHEALHNHYTQKSLSLSPGK 452

RESULT 8
US-09-355-014-71
Sequence 71, Application US/09355014
Patent No. 687003
GENERAL INFORMATION:
APPLICANT: Genentech, Inc., Hael, Vanessa
Koumenie, Iphigenia
Leon, Steven R.
Presta, Leonard G.
Shahrokhi, Zahra
Zapata, Gerardo A.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/355,014
FILING DATE: 21-Jul-1999

CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.

REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P108583PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 452 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 71:
US-09-355-014-71

Query Match 91.4%; Score 2178; DB 2; Length 452;
Best Local Similarity 89.4%; Pred. No. 3.5e-160;
Matches 404; Conservative 23; Mismatches 19; Indels 6; Gaps 1;

QY 1 QVQVQSGAEVKKPSSSVKSCSKASGYFTSYRMHWVQAPQGLWIGYINPSTGYEY 60
DB 1 EVQLVQSGGLVQGGSLRLSCAASGYFSFHHMWVQAPKGLWIGYIDPSNGETTY 60
QY 61 NQKPKDKATITADSTNTAYMELSLRSEDTAVYYCAR-----GGVFDYWGQGLTVTV 114
DB 61 NQKPKGRFTLSRDNSKNTAYLQMNSLRADTAIVYCAAGDYRYNGDWDFDVGQGLTVTV 120
QY 115 SSASTKGPVPLPSSKSTSGTALGLVKDYFPEPYTYSWNSGALTSGVHTFPAYLQ 174
DB 121 SSASTKGPVPLPSSKSTSGTALGLVKDYFPEPYTYSWNSGALTSGVHTFPAYLQ 180
QY 175 SSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVPKSCDKTHTCPCPAPRL 234
DB 181 SSGLYSLSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVPKSCDKTHTCPCPAPRL 240
QY 235 GGPVFLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 294
DB 241 GGPVFLPFPKPKQQLMISRTPEVTCVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEQ 300
QY 295 YNSTTRVVSVLTVAHQDWLNGKEYCKVSNKALPAPIETKISKAKGPREPOVYTLPPSR 354
DB 301 YNSTTRVVSVLTVAHQDWLNGKEYCKVSNKALPAPIETKISKAKGPREPOVYTLPPSR 360
QY 355 DELTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 414
DB 361 EEMTKNOVSLTCLVKGFPSPDIAVWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKS 420
QY 415 RMQGNVFSQSVLHEALHNHYTQKSLSLSPGK 446
DB 421 RMQGNVFSQSVLHEALHNHYTQKSLSLSPGK 452

RESULT 9
US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROWE, JAMES SCOTT

ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/934,373C
FILING DATE: 21-Aug-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-07-934-373C-22

Query Match 90.4%; Score 2153; DB 1; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVQLVQSGAEYVKRSGSSVKVSCKASGYTFSTYRMHWVRQAPQGLLEWIGYINPSTGYTEY 60
DB 1 QVQLVQSGAEYVKRSGSSVKVSCKASGYTFSTYRMHWVRQAPQGLLEWIGYINPSTGYTEY 60
QY 61 NQKFDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLV 112
DB 61 NQKFDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLV 112
QY 113 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
DB 113 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
QY 121 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
DB 121 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
QY 173 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 232
DB 173 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 232
QY 181 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 240
DB 181 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 240
QY 233 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
DB 233 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
QY 241 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
DB 241 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
QY 293 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
DB 293 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
QY 301 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
DB 301 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
QY 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
DB 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
QY 361 SREMTKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
DB 361 SREMTKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
QY 413 KSRWQGQVFPSCSYLHEALHNHYTQKSLSLSPGK 446
DB 413 KSRWQGQVFPSCSYLHEALHNHYTQKSLSLSPGK 446
QY 421 KSRWQGQVFPSCSYLHEALHNHYTQKSLSLSPGK 454
DB 421 KSRWQGQVFPSCSYLHEALHNHYTQKSLSLSPGK 454

RESULT 12
US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter

APPLICANT: Leonard G. Presta
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206
FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 8; Gaps 1;

QY 1 QVQLVQSGAEYVKRSGSSVKVSCKASGYTFSTYRMHWVRQAPQGLLEWIGYINPSTGYTEY 60
DB 1 QVQLVQSGAEYVKRSGSSVKVSCKASGYTFSTYRMHWVRQAPQGLLEWIGYINPSTGYTEY 60
QY 61 NQKFDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLV 112
DB 61 NQKFDKATITADSTNTAYMELSLRSEDTAVVYCARGGV-----FDYWGQGLV 112
QY 113 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
DB 113 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 172
QY 121 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
DB 121 TVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAV 180
QY 173 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 232
DB 173 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 232
QY 181 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 240
DB 181 LQSSGLYSLSVVTPSSSLGTQTYICNVNHPKSTYVDKVEPKSCDKHTCTCPCPAPE 240
QY 233 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
DB 233 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 292
QY 241 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
DB 241 LLGGPSVFLFPPKPKDQIMISRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTRPRE 300
QY 293 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
DB 293 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 352
QY 301 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360
DB 301 EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIISKAKGQPREPQVYTLPP 360

Qy	Db	Qy	Db
353	SRDELTKNOVSLTCLVKGSPYPSDIAWEMSNQGPENNYKTTTPVLPSDGSFFLYSLKLTVD	413	KSRMOQGNVFCSCVTHLEALHNHYTKQSLSLSPCK
421	SREETKTKNOVSLTCLVKGSPYPSDIAWEMSNQGPENNYKTTTPVLPSDGSFFLYSLKLTVD	421	KSRMOQGNVFCSCVTHLEALHNHYTKQSLSLSPCK

RESULT 13
US-08-146-206C-22

1 GENERAL INFORMATION:
2 APPLICANT: Carter, Paul J.
3 APPLICANT: Presta, Leonard G.
4 TITLE OF INVENTION: Method for Making Humanized Antibodies
5 NUMBER OF SEQUENCES: 26
6 CORRESPONDENCE ADDRESS:
7 ADDRESSEE: Genentech, Inc.
8 STREET: 1 DNA Way
9 CITY: South San Francisco
10 STATE: California
11 COUNTRY: USA
12 ZIP: 94080
13
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
16 COMPUTER: IBM PC compatible
17 OPERATING SYSTEM: PC-DOS/MS-DOS
18 SOFTWARE: WinPatIn (Genentech)
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/08/146,206C
21 FILING DATE: 17-No. 6407213-1993
22 CLASSIFICATION: 530
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: 07/715272
25 FILING DATE: 14-JUN-1991
26 ATTORNEY/AGENT INFORMATION:
27 NAME: Lee, Wendy M.
28 REGISTRATION NUMBER: 40,378
29 REFERENCE/DOCKET NUMBER: P0709P1
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE: 650/225-1994
32 TELEFAX: 650/952-9881
33 INFORMATION FOR SEQ ID NO: 22:
34 SEQUENCE CHARACTERISTICS:
35 LENGTH: 454 amino acids
36 TYPE: Amino Acid
37 TOPOLOGY: linear
38
39 US-08-146-206C-22

Query Match	90.4%	Score 2153	DB 2	Length 454
Best Local Similarity	88.3%	Pred. No. 3e-158		
Matches 401; Conservative	19;	Mismatches 26;	Indels 8;	Gaps 1;

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0Y      1 QVQLVQSGAEVKKRQGGSSSVVSCASGATTFPSYMMHWVRQAPGQLEWIGINSTGTEY 60
Db      1 QVQLQDSGELVAKFGASVKISCTISGTFITFEYTHMMKQHGKSLIEWIGGFNPNGSSSH 60
0Y      61 NQPKDKATITLADESTNTAYMEISLRSEPTAVYYCARGGV-----FDYWGQGLV 112
Db      61 NQRFMDKATLAVDKSSTAYMEILRSLTSEDSGITYCARMGGLNLYGFVRYFDVWGAGTTV 120
0Y      113 TVSSASTKGPVSEVPLAPSSKSTSGGTAALGCLVWDYEPPEVTVSWNSGALTSGVHTPEAV 172
Db      121 TVSSASTKGPVSEVPLAPSSKSTSGGTAALGCLVWDYEPPEVTVSWNSGALTSGVHTPEAV 180
0Y      173 LOSSGCLYSLSSVTVTVSSSLGTTTYICNNVHKKSNTVYDKKVPKSCDKHTGCPGPAPE 233
Db      181 LOSSGCLYSLSSVTVTVSSSLGTTTYICNNVHKKSNTVYDKKVEPKSCDKHTGCPGPAPE 240
0Y      233 LLGGSEVPLPFPKPKQLMISRTPEVTVGVVDVSHEDPEVLFNNYVDGVEVHNAKTKPRE 292

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Db 241 LLGGBSVFLPPEPKDITLMIKSTPEVTCVWDVSHEDPEVKENNYDVGVEVHNAKTKPRE 360

QY 293 EGYNSTYRVSVLTVLVHODMLNGKKYKCKVSNAKLPABIEKTTISKANGOPREPOVYTLPP 352

Db 301 EGYNSTYRVSVLTVLVHODMLNGKKYKCKVSNAKLPABIEKTTISKANGOPREPOVYTLPP 360

QY 353 SRDELTRKNOVSLTCLVKGFPBSDIIVWESNGQPENNKTTPTPLDSDGSFFLYSKLTYD 412

Db 361 SREEMTKNQVSLTCLVKGFPBSDIIVWESNGQPENNKTTPTPLDSDGSFFLYSKLTYD 420

QY 413 KSRMOOGNVFSGSVLHEALHNHTYTKSLSLSPGK 446

Db 421 KSRMOOGNVFSGSVLHEALHNHTYTKSLSLSPGK 454

RESULT 14
US-09-705-686-22
; Sequence 22, Application US/09705686

APPLICANT: Carter, Paul J.
 Presta, Leonard G.
 TITLE OF INVENTION: Method for Making Humanized Antibodies
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/705,686
 FILING DATE: 02-NO. 6639055-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/146206
 FILING DATE: 17-NOV-1993
 APPLICATION NUMBER: 07/715272
 FILING DATE: 14-JUN-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 40,378
 REFERENCE/DOCKET NUMBER: P0709PID3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/225-1994
 TELEFAX: 650/952-8881
 INFORMATION FOR SEQ ID NO: 22:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 454 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 22:
 US-09-705-686-22

Query Match	90.4%	Score 2153;	DB 2;	Length 454;
Best Local Similarly	88.3%	Pred. No. 3e-158;		
Matches 401; Conservative	19;	Mismatches 26;	Indels 8;	Gaps 1;

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QY      1 QVQLVDSGAEVKKGSSGVSVVCSKASGYPETSRPMHVAQAQGGGLLEMTGYNPSTGTLEY 60
Db      1 QVQLQQSGPELVYRFKASVSKISCTGYTFETETRMHMQSHKSLKLEMTGCFNPFNGGSSH 60
QY      61 NQKFKQKATITADBSNTNPMELSLRBSPTLVYVCAAGGV-----FDYGGQGLTV 112
Db      61 NQRMEDKATILAVKSTSTALMEPLRSLTSDSGITICAMRGLNATGFDVRYEDVGAAGTV 120
QY      113 TVSSASTKGSEVFELPAPSSKSTSGCTALGLVKDYFPEPVTSWNSGALTSVGHTEPAV 172

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Db 121 TVSSASTKGPVFLAPSSKSTSGGTAALGCLVNDYFPEPVTVSWSGALTSVHTPPAV 180
Qy 173 LOSGLYSLSSVTVTPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 232
Db 181 LOSGLYSLSSVTVTPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 240
Qy 233 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 292
Db 241 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 300
Qy 293 EYNSTYRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPQVYTLPP 352
Db 301 EYNSTYRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPQVYTLPP 360
Qy 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
Db 361 SREMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
Qy 413 KSRWQGNVVFSCSVHREALHNNHTYQKSLSLSPGK 446
Db 421 KSRWQGNVVFSCSVHREALHNNHTYQKSLSLSPGK 454

RESULT 15

US-09-705-392A-22

Sequence 22, Application US/09705392A

Patent No. 671971

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

Presta, Leonard G.

TITLE OF INVENTION: Method for Making Humanized Antibodies

NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/705,392A

FILING DATE: 02-NO. 6719971-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993

APPLICATION NUMBER: 07/715272

FILING DATE: 14-JUN-1991

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0709P1D1 REVISED

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1994

TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 454 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 22:

US-09-705-392A-22

Query Match 90.4%; Score 2153; DB 2; Length 454;
Best Local Similarity 88.3%; Pred. No. 3e-158;
Matches 401; Conservative 19; Mismatches 26; Indels 1;

Qy 1 QVQLVQSGAEVKKPKDKSSVKKVCKAKGYTFTSYRMHWROAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKPKDKSSVKKVCKAKGYTFTSYRMHWROAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NQKRDATTTADESTNTAVNELSLRSEDTAVTYCARGGV-----FDYWGQGLV 112
Db 61 NQKRDATTTADESTNTAVNELSLRSEDTAVTYCARGGV-----FDYWGQGLV 112
Qy 113 TVSSASTKGPVFLAPSSKSTSGGTAALGCLVNDYFPEPVTVSWSGALTSVHTPPAV 172
Db 121 TVSSASTKGPVFLAPSSKSTSGGTAALGCLVNDYFPEPVTVSWSGALTSVHTPPAV 180
Qy 173 LOSGLYSLSSVTVTPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 232
Db 181 LOSGLYSLSSVTVTPSSSLGTQYICNVNHPSTNTKVDKVEPKSCDKHTTCCPCPAE 240
Qy 233 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 292
Db 241 LLGGPSVFLFPPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNMYVDGVEVHNAKTKPRE 300
Qy 293 EYNSTYRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPQVYTLPP 352
Db 301 EYNSTYRVSVTLTVLHODMNLGKEYKCKVSNKALPAPIEKTISKAKGQPREPPQVYTLPP 360
Qy 353 SRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 412
Db 361 SREMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVD 420
Qy 413 KSRWQGNVVFSCSVHREALHNNHTYQKSLSLSPGK 446
Db 421 KSRWQGNVVFSCSVHREALHNNHTYQKSLSLSPGK 454

Search completed: May 15, 2006, 11:43:58

Job time : 46.3445 secs

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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:57:43 ; Search time 148.892 Seconds
(without alignments)
1251.589 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVQSGAEVKKPKSSSKV.....LHEALHNHYTKSLSPK 446

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Published Applications AA Main:

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US09_PUBSCOMB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US10_PUBSCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBSCOMB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2382	100.0	446	5	US-10-822-300-122 Sequence 122, App
2	2380	99.9	446	5	US-10-822-300-120 Sequence 120, App
3	2378	99.8	446	5	US-10-822-300-123 Sequence 123, App
4	2376	99.7	446	5	US-10-822-300-121 Sequence 121, App
5	2375	99.7	446	5	US-10-822-300-119 Sequence 119, App
6	2374	99.7	446	5	US-10-947-432-2 Sequence 2, App1
7	2242.5	94.1	470	4	US-10-216-484-147 Sequence 147, App
8	2242.5	94.1	470	4	US-10-384-933-145 Sequence 145, App
9	2241.5	94.1	470	4	US-10-216-484-145 Sequence 145, App
10	2241.5	94.1	470	4	US-10-384-933-145 Sequence 145, App
11	2239.5	94.0	470	4	US-10-216-484-143 Sequence 143, App
12	2239.5	94.0	470	4	US-10-384-933-143 Sequence 143, App
13	2236.5	93.9	470	4	US-10-216-484-117 Sequence 117, App
14	2236.5	93.9	470	4	US-10-384-933-117 Sequence 117, App
15	2234.5	93.8	447	5	US-10-822-300-133 Sequence 133, App
16	2234.5	93.8	448	4	US-10-411-037-56 Sequence 56, App1
17	2234.5	93.8	448	4	US-10-411-026-56 Sequence 56, App1
18	2234.5	93.8	448	4	US-10-410-962-56 Sequence 56, App1
19	2234.5	93.8	448	4	US-10-410-949-56 Sequence 56, App1
20	2234.5	93.8	448	4	US-10-410-930-56 Sequence 56, App1
21	2234.5	93.8	448	4	US-10-410-997-56 Sequence 56, App1
22	2234.5	93.8	448	4	US-10-411-012-56 Sequence 56, App1
23	2234.5	93.8	448	4	US-10-287-994-56 Sequence 56, App1
24	2234.5	93.8	448	4	US-10-410-913-56 Sequence 56, App1
25	2234.5	93.8	448	4	US-10-410-980-56 Sequence 56, App1
26	2234.5	93.8	448	5	US-10-410-897-56 Sequence 56, App1
27	2234.5	93.8	448	5	US-10-492-261-56 Sequence 56, App1

28	2233.5	93.8	470	4	US-10-216-484-157 Sequence 157, App
29	2233.5	93.8	470	4	US-10-384-933-157 Sequence 157, App
30	2232.5	93.7	447	5	US-10-822-300-131 Sequence 131, App
31	2231.5	93.7	453	4	US-10-813-483-6 Sequence 6, App1
32	2231.5	93.7	453	6	US-11-013-966-6 Sequence 6, App1
33	2230.5	93.6	447	5	US-10-822-300-134 Sequence 134, App
34	2228.5	93.6	447	5	US-10-822-300-132 Sequence 132, App
35	2227.5	93.5	447	5	US-10-822-300-130 Sequence 130, App
36	2227	93.5	448	4	US-10-378-567-2 Sequence 2, App1
37	2223.5	93.3	470	4	US-10-216-484-89 Sequence 89, App1
38	2223.5	93.3	470	4	US-10-384-933-89 Sequence 89, App1
39	2215	93.0	465	4	US-10-404-724-25 Sequence 25, App1
40	2215	93.0	465	5	US-10-816-276-21 Sequence 21, App1
41	2214	92.9	731	3	US-09-825-012-46 Sequence 46, App1
42	2214	92.9	741	3	US-09-825-012-45 Sequence 45, App1
43	2212	92.9	448	4	US-10-171-452A-48 Sequence 48, App1
44	2212	92.9	448	4	US-10-171-452A-60 Sequence 60, App1
45	2212	92.9	448	4	US-10-353-708-48 Sequence 48, App1

ALIGNMENTS

RESULT 1									
US-10-822-300-122									
; Sequence 122, Application US/10822300									
; Publication No. US20050014934A1									
; GENERAL INFORMATION:									
; APPLICANT: Hinton, et al.									
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF									
; FILE REFERENCE: 05882, 0039, CPUS01									
; CURRENT APPLICATION NUMBER: US/10/822,300									
; CURRENT FILING DATE: 2004-04-09									
; NUMBER OF SEQ ID NOS: 146									
; SOFTWARE: PatentIn version 3.2									
; SEQ ID NO 122									
; LENGTH: 446									
; TYPE: PRT									
; ORGANISM: Homo sapiens									
US-10-822-300-122									
Query Match									
Best Local Similarity 100.0%; Score 2382; DB 5; Length 446;									
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	QVQLVQSGAEVKKPKSSSKVSKASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY	60						
DB	1	QVQLVQSGAEVKKPKSSSKVSKASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYEY	60						
QY	61	NQKKDKATTTADSTNTAYVELSLRSEDPAVYYCARGGVFPYWGQTLVTVSSASTK	120						
DB	61	NQKKDKATTTADSTNTAYVELSLRSEDPAVYYCARGGVFPYWGQTLVTVSSASTK	120						
QY	121	GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNGALTSGVTHFPAVLQSSGLYS	180						
DB	121	GPSVFPPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSNNGALTSGVTHFPAVLQSSGLYS	180						
QY	181	LSVYVTVSSSLGTYIYICNVNHRPSNTKVDKVEPKSCDTHTCPCPAPALLGGPSVF	240						
DB	181	LSVYVTVSSSLGTYIYICNVNHRPSNTKVDKVEPKSCDTHTCPCPAPALLGGPSVF	240						
QY	241	LFPPKPKDQMLISTPPTTCVVDVSHEDPEVKRWVYDGVBNNAATKKPREEOYNSYR	300						
DB	241	LFPPKPKDQMLISTPPTTCVVDVSHEDPEVKRWVYDGVBNNAATKKPREEOYNSYR	300						
QY	301	VSVTLTVTHQDMLNGKPKCVSNKALPAPEKTIISRAKQPRPQVYTLPPSDELTKN	360						
DB	301	VSVTLTVTHQDMLNGKPKCVSNKALPAPEKTIISRAKQPRPQVYTLPPSDELTKN	360						
QY	361	QVSLTCLVKGFPYPSDIAVEMESNQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN	420						
DB	361	QVSLTCLVKGFPYPSDIAVEMESNQPENNYKTPPVLDSDGSFPLYSKLTVDKSRWQGN	420						

QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
Db 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 2

US-10-822-300-120
; Sequence 120, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 120
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-120

Query Match 99.8%; Score 2380; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 3.8e-149;
Matches 445; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDATTADSTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGITLVTVSSASTK 120
Db 61 NQKPKDATTADSTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGITLVTVSSASTK 120
QY 121 GPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
Db 121 GPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTTCCPCPAPELLGGPSVF 240
Db 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTTCCPCPAPELLGGPSVF 240
QY 241 LPPPKPDQMLISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREBOYNSTYR 300
Db 241 LPPPKPDQMLISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREBOYNSTYR 300
QY 301 VASVLTALHODMLNGKKEKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VASVLTALHODMLNGKKEKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
Db 361 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
Db 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 3

US-10-822-300-123
; Sequence 123, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09

; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-123

Query Match 99.8%; Score 2378; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 5.1e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDATTADSTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGITLVTVSSASTK 120
Db 61 NQKPKDATTADSTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGITLVTVSSASTK 120
QY 121 GPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
Db 121 GPSVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTTCCPCPAPELLGGPSVF 240
Db 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTTCCPCPAPELLGGPSVF 240
QY 241 LPPPKPDQMLISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREBOYNSTYR 300
Db 241 LPPPKPDQMLISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVHNAKTKPREBOYNSTYR 300
QY 301 VASVLTALHODMLNGKKEKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VASVLTALHODMLNGKKEKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
Db 361 QVSLTCLVKGFYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGN 420
QY 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446
Db 421 VFSCSVLHEALHNNHYTOKSLSLSPGK 446

RESULT 4

US-10-822-300-121
; Sequence 121, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-121

Query Match 99.7%; Score 2376; DB 5; Length 446;
Best Local Similarity 99.8%; Pred. No. 7e-149;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVDSGAEVKKVSGSSVKKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKPKDATTADSTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGITLVTVSSASTK 120

Db 61 NOKFKDKATTTADDESTNTAYMELSSLRSEDTAVVYCARGGGVFDYWGCGTLVTVSSASTK 120
Qy 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Db 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Qy 101 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Db 101 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Qy 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Db 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Qy 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Db 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Qy 421 VFSCSVLHEALHNHTYTKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYTKSLSPGK 446

RESULT 5

US-10-822-300-119
; Sequence 119, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 119
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-119

Query Match 99.7%; Score 2375; DB 5; Length 446;
Best Local Similarity 99.6%; Pred. No. 8.1e-149;
Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NOKFKDKATTTADDESTNTAYMELSSLRSEDTAVVYCARGGGVFDYWGCGTLVTVSSASTK 120
Db 61 NOKFKDKATTTADDESTNTAYMELSSLRSEDTAVVYCARGGGVFDYWGCGTLVTVSSASTK 120
Qy 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Db 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Qy 181 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Db 181 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Qy 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Db 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Qy 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360

Db 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Db 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Qy 421 VFSCSVLHEALHNHTYTKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYTKSLSPGK 446

RESULT 6

US-10-947-432-2
; Sequence 2, Application US/10947432
; Publication No. US20050089517A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; TITLE OF INVENTION: TREATMENT OF RESPIRATORY DISEASES WITH ANTI-IL-2 RECEPTOR
; FILE REFERENCE: 05882.0207.NPUS02
; CURRENT APPLICATION NUMBER: US/10/947,432
; PRIOR FILING DATE: 2004-09-21
; PRIOR APPLICATION NUMBER: US 60/505,883
; PRIOR FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: US 60/552,974
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Humanized antibody
US-10-947-432-2

Query Match 99.7%; Score 2374; DB 5; Length 446;
Best Local Similarity 99.6%; Pred. No. 9.4e-149;
Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 1 QVQLVQSGAEVKKPSSSVKSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Qy 61 NOKFKDKATTTADDESTNTAYMELSSLRSEDTAVVYCARGGGVFDYWGCGTLVTVSSASTK 120
Db 61 NOKFKDKATTTADDESTNTAYMELSSLRSEDTAVVYCARGGGVFDYWGCGTLVTVSSASTK 120
Qy 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Db 121 GSVFPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMGSALTSGVHTFPAVLQSSGLYS 180
Qy 181 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Db 181 LSSVTVVSSSLGTQTYICNVNHPKSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 240
Qy 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Db 241 LPPPKDQMLMISRTPEVTCVAVDVSHEDEPEVKFWMYDGVENHNAKTKPREEOYNSTYR 300
Qy 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Db 301 VSVLTVLHQMNLNKEKYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
Qy 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Db 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPVLSDGSFPLYSKLTVDKSRMQQGN 420
Qy 421 VFSCSVLHEALHNHTYTKSLSPGK 446
Db 421 VFSCSVLHEALHNHTYTKSLSPGK 446

RESULT 7
US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Tamaki, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-216-484-147

Query Match 94.1%; Score 2242.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 4.9e-140;
Matches 422; Conservative 9; Mismatches 15; Indels 5; Gaps 1;

```
QY 1 QVQLVSGAEVKKGGSSVKVSCKASGYFTSYRMHWROAPGQGLWMIGYINPSTGYTEY 60
D 20 QVQLVSGAEVKKGGSSVKVSCKASGYFTSYRMHWROAPGQGLWMIGYINPSTGYTEY 79
QY 61 NQKFKDAITITADESTNTAYMELSLRSEDTAVYYCAR----GGVFDYWGQGLTVTVS 115
D 80 NQKFKDAITITADESTNTAYMELSLRSEDTAVYYCARNDYNNWYFDVWGQGLTVTVS 139
QY 116 SASTKGSVPLPAPSSKSTSGGTAALGCLVKDYFPEPVYMWNSGALTSVHTFPAVLQS 175
D 140 SASTKGSVPLPAPSSKSTSGGTAALGCLVKDYFPEPVYMWNSGALTSVHTFPAVLQS 199
QY 176 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKVDKRPKSCDKHTHCPCPAPPELLG 235
D 200 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKVDKRPKSCDKHTHCPCPAPPELLG 259
QY 236 GPSVFLPFPKPKQDLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAAKTRPEEY 295
D 260 GPSVFLPFPKPKQDLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAAKTRPEEY 319
QY 296 NSTYRVSVTLTVLHQMILINGEKYCKVSNKALPAPIETKISKAKGQPREPQVYTLPPSRD 355
D 320 NSTYRVSVTLTVLHQMILINGEKYCKVSNKALPAPIETKISKAKGQPREPQVYTLPPSRD 379
QY 356 ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPTLDSGPFYSLKLTVDKSR 415
D 380 ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPTLDSGPFYSLKLTVDKSR 439
QY 416 WQGNVFSCSVMEALAHNHYTKSLSPGK 446
D 440 WQGNVFSCSVMEALAHNHYTKSLSPGK 470
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RESULT 8
US-10-384-933-147
; Sequence 147, Application US/10384933
; Publication No. US2003010817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US2003010817A1ufusa
; APPLICANT: Haruyama, Hideyuki

APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
PRIOR FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 147
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
US-10-384-933-147

Query Match 94.1%; Score 2242.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 4.9e-140; Indels 5; Gaps 1;
Matches 422; Conservative 9; Mismatches 15;

```
QY 1 QVQLVSGAEVKKGGSSVKVSCKASGYFTSYRMHWROAPGQGLWMIGYINPSTGYTEY 60
D 20 QVQLVSGAEVKKGGSSVKVSCKASGYFTSYRMHWROAPGQGLWMIGYINPSTGYTEY 79
QY 61 NQKFKDAITITADESTNTAYMELSLRSEDTAVYYCAR----GGVFDYWGQGLTVTVS 115
D 80 NQKFKDAITITADESTNTAYMELSLRSEDTAVYYCARNDYNNWYFDVWGQGLTVTVS 139
QY 116 SASTKGSVPLPAPSSKSTSGGTAALGCLVKDYFPEPVYMWNSGALTSVHTFPAVLQS 175
D 140 SASTKGSVPLPAPSSKSTSGGTAALGCLVKDYFPEPVYMWNSGALTSVHTFPAVLQS 199
QY 176 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKVDKRPKSCDKHTHCPCPAPPELLG 235
D 200 SGLYSLSVTVTPSSSLGTQTYICNVNHPKSNKVDKRPKSCDKHTHCPCPAPPELLG 259
QY 236 GPSVFLPFPKPKQDLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAAKTRPEEY 295
D 260 GPSVFLPFPKPKQDLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAAKTRPEEY 319
QY 296 NSTYRVSVTLTVLHQMILINGEKYCKVSNKALPAPIETKISKAKGQPREPQVYTLPPSRD 355
D 320 NSTYRVSVTLTVLHQMILINGEKYCKVSNKALPAPIETKISKAKGQPREPQVYTLPPSRD 379
QY 356 ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPTLDSGPFYSLKLTVDKSR 415
D 380 ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPTLDSGPFYSLKLTVDKSR 439
QY 416 WQGNVFSCSVMEALAHNHYTKSLSPGK 446
D 440 WQGNVFSCSVMEALAHNHYTKSLSPGK 470
```

RESULT 9
US-10-216-484-145
; Sequence 145, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Tamaki, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662


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; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-145
```

```

Query Match          94.1%; Score 2241.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 5.8e-140;
Matches 422; Conservative 9; Mismatches 15; Indels 5; Gaps 1;
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```

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGYSFTSRHMVRQAPQGLGIEWIGYINPSTGYEY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 20 QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQVQAPQGLGIEWIGIDPSDSTNY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 NQKFDKATITADESTNAYNELSLRSEDTAVYYCAR----GGVFDYWGQGLTVTVS 115
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 NQKFGKATITVDSTSTAYNELSLRSEDTAVYYCARNRDYSNMNYFDVWGQGLTVTVS 139
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 116 SASTKGPSEVFLAPSSKSTSGGTALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAYLQS 175
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 140 SASTKGPSEVFLAPSSKSTSGGTALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAYLQS 199
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 176 SGLYSLSVTVVPSSSLGTQTYICNVNKPSTNTKDKVEPKSCDKHTTCCPCAPPELLG 235
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 200 SGLYSLSVTVVPSSSLGTQTYICNVNKPSTNTKDKVEPKSCDKHTTCCPCAPPELLG 259
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 236 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREROY 295
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 260 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREROY 319
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 296 NSTRVVSVLTVLHODMNGEKYCKVSNKALPAPIETKISKAKQPREPOVYITLPPSRD 355
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 320 NSTRVVSVLTVLHODMNGEKYCKVSNKALPAPIETKISKAKQPREPOVYITLPPSRD 379
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 356 ELTRNQVSLTCLVKGFPISDIAVEMESNGQPENNYKTPPYLDSGSEFLLYSKLTVDKSR 415
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 380 ELTRNQVSLTCLVKGFPISDIAVEMESNGQPENNYKTPPYLDSGSEFLLYSKLTVDKSR 439
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 416 WOQGNVSCSVLHEALHNHYTQKSISLSPGK 446
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 440 WOQGNVSCSVLHEALHNHYTQKSISLSPGK 470
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

```

RESULT 10
US-10-384-933-145
; Sequence 145, Application US/10384933
; Publication No. US20030170817A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; PRIOR FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 145
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
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```

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-384-933-145
```

```

Query Match          94.1%; Score 2241.5; DB 4; Length 470;
Best Local Similarity 93.6%; Pred. No. 5.8e-140;
Matches 422; Conservative 9; Mismatches 15; Indels 5; Gaps 1;
```

```

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGYSFTSRHMVRQAPQGLGIEWIGYINPSTGYEY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 20 QVQLVQSGAEVKKPGASVKVSCKASGYTFTSYMQVQAPQGLGIEWIGIDPSDSTNY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 NQKFDKATITADESTNAYNELSLRSEDTAVYYCAR----GGVFDYWGQGLTVTVS 115
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 80 NQKFGKATITVDSTSTAYNELSLRSEDTAVYYCARNRDYSNMNYFDVWGQGLTVTVS 139
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 116 SASTKGPSEVFLAPSSKSTSGGTALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAYLQS 175
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 140 SASTKGPSEVFLAPSSKSTSGGTALGCLVNDYPEPEPTVSMNSGALTSGVHTFPAYLQS 199
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 176 SGLYSLSVTVVPSSSLGTQTYICNVNKPSTNTKDKVEPKSCDKHTTCCPCAPPELLG 235
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 200 SGLYSLSVTVVPSSSLGTQTYICNVNKPSTNTKDKVEPKSCDKHTTCCPCAPPELLG 259
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 236 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREROY 295
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 260 GPSVFLPPPKKDDLMISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREROY 319
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 296 NSTRVVSVLTVLHODMNGEKYCKVSNKALPAPIETKISKAKQPREPOVYITLPPSRD 355
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 320 NSTRVVSVLTVLHODMNGEKYCKVSNKALPAPIETKISKAKQPREPOVYITLPPSRD 379
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 356 ELTRNQVSLTCLVKGFPISDIAVEMESNGQPENNYKTPPYLDSGSEFLLYSKLTVDKSR 415
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Db 380 ELTRNQVSLTCLVKGFPISDIAVEMESNGQPENNYKTPPYLDSGSEFLLYSKLTVDKSR 439
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 416 WOQGNVSCSVLHEALHNHYTQKSISLSPGK 446
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 440 WOQGNVSCSVLHEALHNHYTQKSISLSPGK 470
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
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RESULT 11
US-10-216-484-143
; Sequence 143, Application US/10216484
; Publication No. US20030103976A1
GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Hattayama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Takahashi, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 143
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-143
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Query Match          94.0%; Score 2239.5; DB 4; Length 470;
Best Local Similarity 93.3%; Pred. No. 7.8e-140;
Matches 421; Conservative 10; Mismatches 15; Indels 5; Gaps 1;
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Db	260	GPSVFLPEPPKPKOTLMISSTPEYTCVVDVSHEDSDGKFNMYGVGVHNAKTKPREQY	319
QY	296	NSTYRVSVLTVLVHODMLNGKEYCKCVSNKALPAEIEKTSISKAKQPREPQVYTLPPSRD	355
Db	320	NSTYRVSVLTVLVHODMLNGKEYCKCVSNKALPAIEKTSISKAKQPREPQVYTLPPSR	379
QY	356	ELTRKQVSLTCLVKGCTPSPDIADVEMSNQCPENNTKTTTPVLVDSGDFLYSKLTVDXSR	415
Db	380	EMTRKQVSLTCLVKGCTPSPDIADVEMSNQCPENNTKTTTPVLVDSGDFLYSKLTVDXSR	439
QY	416	MOQGNVFCSCVHEALHNHYTQKSLSLSPGK	446
Db	440	MOQGNVFCSCVHEALHNHYTQKSLSLSPGK	470

RESULT 14

US-10-384-933-117
Sequence 117, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1nftusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Pas Antibodies
FILE REFERENCE: 980126C1P/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 117
LENGTH: 470
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
OTHER INFORMATION: chain of humanized anti-Pas antibody
US-10-384-933-117

OY 3 56 ELTKNQVSLTCLVKGGYPSPDIAVEENSNQPNKKTPPYLDSGSGFLYSKLTVDXSR 415
| : | : | : | : | : | : | : | : | : | : | : | : | :
Dd 380 EMRKNGVSILTCLKVGKYPSDIADVENSSNQPNNNKTTPTPLDDSDGSFLLSKLTVDXSR 433
| : | : | : | : | : | : | : | : | : | : | : | : | :
OY 416 WOGGNVFSCSYTHALHNRHTOKSLSISPGK 446
| : | : | : | : | : | : | : | : | : | : | : | : | :
Dd 440 WQGAVFSGVMEHALHNHYTKKSLSISPGK 470

RESULT 15

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US-10-822-300-133
; Sequence 133, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCGR BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039, CPUS01
; CURRENT APPLICATION NUMBER: US/10/822,300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 133
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-133

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Search completed: May 15, 2006, 12:02:45
Job time : 150.892 secs

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GenCore version 5.1.8
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OM protein - protein search, using sw model

Run on: May 15, 2006, 11:59:14 ; Search time 25.7178 Seconds
(without alignments)
814.192 Million cell updates/sec

Title: US-10-822-300-122

Perfect score: 2382
Sequence: 1 QVQLVSGAEVKKRPGSSVKV.....LHEALNHYTKSLSLSPK 446

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 250354 seqs, 4694837 residues

Total number of hits satisfying chosen parameters: 250354

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA New:
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2: /SIDS5/ptodata/1/pubpaa/US06_NEW_PUB.pep1:*
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10: /SIDS5/ptodata/1/pubpaa/US11_NEW_PUB.pep1:*
11: /SIDS5/ptodata/1/pubpaa/US60_NEW_PUB.pep1:*
12: /SIDS5/ptodata/1/pubpaa/US60_NEW_PUB.pep1:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2382	100.0	446	US-11-102-621-122	Sequence 122, App
2	2380	99.9	446	US-11-102-621-120	Sequence 120, App
3	2378	99.8	446	US-11-102-621-123	Sequence 123, App
4	2376	99.7	446	US-11-102-621-121	Sequence 121, App
5	2375	99.7	446	US-11-102-621-119	Sequence 119, App
6	2248.5	94.4	462	US-11-177-648-28	Sequence 28, App1
7	2247.5	94.4	462	US-11-177-648-93	Sequence 93, App1
8	2244.5	94.2	462	US-11-177-648-27	Sequence 27, App1
9	2244.5	94.2	462	US-11-219-563-132	Sequence 132, App
10	2244.5	94.2	462	US-11-218-813-132	Sequence 132, App
11	2243.5	94.2	462	US-11-177-648-31	Sequence 31, App1
12	2243.5	94.1	462	US-11-177-648-94	Sequence 94, App1
13	2241.5	94.1	462	US-11-177-648-96	Sequence 96, App1
14	2240.5	94.1	462	US-11-177-648-92	Sequence 92, App1
15	2239.5	94.0	462	US-11-177-648-95	Sequence 95, App1
16	2237.5	93.9	462	US-11-177-648-26	Sequence 26, App1
17	2237.5	93.8	447	US-11-102-621-133	Sequence 133, App
18	2234.5	93.8	448	US-11-183-218-56	Sequence 56, App1
19	2234.5	93.8	448	US-11-183-205-56	Sequence 56, App1
20	2233.5	93.8	462	US-11-177-648-32	Sequence 32, App1
21	2233.5	93.8	462	US-11-177-648-32	Sequence 32, App1

22	2233.5	93.8	462	US-11-177-648-79	Sequence 79, App1
23	2232.5	93.7	447	US-11-102-621-131	Sequence 131, App
24	2232.5	93.7	462	US-11-177-648-29	Sequence 29, App1
25	2232.5	93.7	462	US-11-177-648-98	Sequence 98, App1
26	2231.5	93.7	453	US-11-254-182-44	Sequence 44, App1
27	2231.5	93.7	453	US-11-208-422-23	Sequence 23, App1
28	2230.5	93.6	447	US-11-102-621-134	Sequence 134, App
29	2228.5	93.6	447	US-11-102-621-132	Sequence 132, App
30	2227.5	93.5	447	US-11-102-621-130	Sequence 130, App
31	2225.5	93.4	462	US-11-177-648-33	Sequence 33, App1
32	2223.5	93.3	462	US-11-177-648-30	Sequence 30, App1
33	2212	92.9	448	US-11-158-505-16	Sequence 16, App1
34	2212	92.9	448	US-11-158-505-32	Sequence 32, App1
35	2212	92.9	467	US-11-158-505-13	Sequence 13, App1
36	2212	92.9	467	US-11-158-505-15	Sequence 15, App1
37	2212	92.9	467	US-11-158-505-29	Sequence 29, App1
38	2212	92.9	467	US-11-158-505-31	Sequence 31, App1
39	2212	92.9	467	US-11-158-505-72	Sequence 72, App1
40	2211	92.8	442	US-11-102-621-127	Sequence 127, App
41	2209	92.7	442	US-11-102-621-125	Sequence 125, App
42	2209	92.7	448	US-11-158-505-8	Sequence 8, App1
43	2209	92.7	448	US-11-158-505-24	Sequence 24, App1
44	2209	92.7	467	US-11-158-505-5	Sequence 5, App1
45	2209	92.7	467	US-11-158-505-7	Sequence 7, App1

ALIGNMENTS

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RESULT 1
US-11-102-621-122
; Sequence 122, Application US/11102621
; Publication No. US0050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teanushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PCRN BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 122
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-122
Query Match      100.0%; Score 2382; DB 11; Length 446;
Best Local Similarity 100.0%; Pred. No. 5.3e-145;
Matches 446; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 QVQLVSGAEVKKRPGSSVKVCKASGTFPTSYMHVWRQAPGQGLEWIGYINPSTGYEY 60
Db      1 QVQLVSGAEVKKRPGSSVKVCKASGTFPTSYMHVWRQAPGQGLEWIGYINPSTGYEY 60
QY      1 NQPKDKATTTADESTNTAMELSLRSEETAVYTCARGGGVDPYWGQGLTVVSSASTK 120
Db      1 NQPKDKATTTADESTNTAMELSLRSEETAVYTCARGGGVDPYWGQGLTVVSSASTK 120
QY      61 NQPKDKATTTADESTNTAMELSLRSEETAVYTCARGGGVDPYWGQGLTVVSSASTK 120
Db      61 NQPKDKATTTADESTNTAMELSLRSEETAVYTCARGGGVDPYWGQGLTVVSSASTK 120
QY      121 GPSVPLAPSSKSTSGGTALGCLVVDYDEPEPTVSNLSGALTSGYTTPAVVQSSGLYS 180
Db      121 GPSVPLAPSSKSTSGGTALGCLVVDYDEPEPTVSNLSGALTSGYTTPAVVQSSGLYS 180
QY      181 LSSVTVTPSSSLGTQYIICVNHKPSNTKYDKKVEPKSCDKHTTCCPPAPLLGGPSVF 240
Db      181 LSSVTVTPSSSLGTQYIICVNHKPSNTKYDKKVEPKSCDKHTTCCPPAPLLGGPSVF 240
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QY 241 LPPPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVVDGEYHNAAKTKPREQYNSTYR 300
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|
|
Db 241 LPPPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVVDGEYHNAAKTKPREQYNSTYR 300
QY 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
|
|
|
Db 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMOQGN 420
|
|
|
Db 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMOQGN 420
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 2
US-11-102-621-120
; Sequence 120, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teatrushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 120
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-120

Query Match 99.9%; Score 2380; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 7.1e-145;
Matches 445; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Db 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMOQGN 420
|
|
|
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 3
US-11-102-621-123
; Sequence 123, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teatrushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 123
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-123
```

```
Query Match 99.8%; Score 2378; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 9.5e-145;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVDSGAEVKKRQSSVKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
|
|
|
Db 1 QVQLVDSGAEVKKRQSSVKVSCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
QY 61 NQKFKDKATITTADESTNTAYMELSLRSSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
|
|
|
Db 61 NQKFKDKATITTADESTNTAYMELSLRSSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNGALTSGVHTFPAVLAQSSGLYS 180
|
|
|
Db 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNGALTSGVHTFPAVLAQSSGLYS 180
QY 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGGPSVF 240
|
|
|
Db 181 LSSVTVTPSSSLGTQTYICNVNHRKPSNTKVDKVEPKSCDKHTHCPCPAPPELLGGPSVF 240
QY 241 LPPPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVVDGEYHNAAKTKPREQYNSTYR 300
|
|
|
Db 241 LPPPKDQMLISRTPEVTCVVVDVSHEDPEVKFNNYVVDGEYHNAAKTKPREQYNSTYR 300
QY 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
|
|
|
Db 301 VVSVLTVLHODMNGEKYCKVKSNKALPAIEKTIISKAKQPREPOVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMOQGN 420
|
|
|
Db 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSPFLYSKLTVDKSRMOQGN 420
QY 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
|
|
|
Db 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446

RESULT 4
US-11-102-621-121
; Sequence 121, Application US/11102621
; Publication No. US20050276799A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PERM BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 121
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-121

Query Match          99.7%; Score 2376; DB 11; Length 446;
Best Local Similarity 99.8%; Pred. No. 1.3e-144;
Matches 445; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYEY 60
DB 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYEY 60
QY 61 NQKFKDKATTTADSESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
DB 61 NQKFKDKATTTADSESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSVHTFPALQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSVHTFPALQSSGLYS 180
QY 181 LSSVTVTPSSSLGQTYICNNNHRPSNTKVDKVEPKSCDKTHPCPCPAPBLGGPSVF 240
DB 181 LSSVTVTPSSSLGQTYICNNNHRPSNTKVDKVEPKSCDKTHPCPCPAPBLGGPSVF 240
QY 241 LFPKPKDQMLISRTPEVTCVVDVSHEDPEVKFMVYDGVGVNNAKTPREEQYNSTYR 300
DB 241 LFPKPKDQMLISRTPEVTCVVDVSHEDPEVKFMVYDGVGVNNAKTPREEQYNSTYR 300
QY 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYTLPPSRDELTKN 360
DB 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
DB 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
QY 421 VFSCSVLHEALHNHTOKSLSPGK 446
DB 421 VFSCSVLHEALHNHTOKSLSPGK 446

RESULT 5
US-11-102-621-119
; Sequence 119, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teunushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF PERM BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
```

```
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 119
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-119

Query Match          99.7%; Score 2375; DB 11; Length 446;
Best Local Similarity 99.6%; Pred. No. 1.5e-144;
Matches 444; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYEY 60
DB 1 QVOLVQSGAEVKKPSSSVKSCKASGYTFTSYRMHWRQAPQGLWIGYINPSTGYEY 60
QY 61 NQKFKDKATTTADSESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
DB 61 NQKFKDKATTTADSESTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLVTVSSASTK 120
QY 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSVHTFPALQSSGLYS 180
DB 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNWNGALTSVHTFPALQSSGLYS 180
QY 181 LSSVTVTPSSSLGQTYICNNNHRPSNTKVDKVEPKSCDKTHPCPCPAPBLGGPSVF 240
DB 181 LSSVTVTPSSSLGQTYICNNNHRPSNTKVDKVEPKSCDKTHPCPCPAPBLGGPSVF 240
QY 241 LFPKPKDQMLISRTPEVTCVVDVSHEDPEVKFMVYDGVGVNNAKTPREEQYNSTYR 300
DB 241 LFPKPKDQMLISRTPEVTCVVDVSHEDPEVKFMVYDGVGVNNAKTPREEQYNSTYR 300
QY 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYTLPPSRDELTKN 360
DB 301 VVSVLTVLHQMVLNGEKYCKVSNKALPAPIEKTISKAKGPRBPQVYTLPPSRDELTKN 360
QY 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
DB 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTPPVLDSDGFPLYSKLTVDKSRWQGN 420
QY 421 VFSCSVLHEALHNHTOKSLSPGK 446
DB 421 VFSCSVLHEALHNHTOKSLSPGK 446

RESULT 6
US-11-177-648-28
; Sequence 28, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
```


OTHER INFORMATION: 2A10 heavy chain humanised construct H700
US-11-177-648-28

Query Match 94.4%; Score 2248.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 1.8e-136;
Matches 423; Conservative 7; Mismatches 13; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKRQSSGVKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
   |||||
DB 20 QVQLVSGAEVKKRQSGASVKKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTNY 79
   |||||
QY 61 NQKPKDATTITADESTNTAYMELSLRSEDTAVYYCARGGGVDPYNGQGLTVTVSSASTK 120
   |||||
DB 80 NEKFKSRATITVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLTVTVSSASTK 136
   |||||
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
   |||||
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
   |||||
QY 181 LSSVTVPSSSLGQTQYICNVNHNKPSNTKVDKVEPKSCDKHTCCPCPAPELLGAPSVF 240
   |||||
DB 197 LSSVTVPSSSLGQTQYICNVNHNKPSNTKVDKVEPKSCDKHTCCPCPAPELLGAPSVF 256
   |||||
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 300
   |||||
DB 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 316
   |||||
QY 301 VVSIVLTVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
   |||||
DB 317 VVSIVLTVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
   |||||
QY 361 QVSLTCLVKGFPYSDIAVEWESNGPENNYKTPPVLDSDGSFPLYSKLTVDKSRMQGN 420
   |||||
DB 377 QVSLTCLVKGFPYSDIAVEWESNGPENNYKTPPVLDSDGSFPLYSKLTVDKSRMQGN 436
   |||||
QY 421 VFCSCVHLEALHNHYTQKSLSLSPGK 446
   |||||
DB 437 VFCSCVHLEALHNHYTQKSLSLSPGK 462
   |||||
```

RESULT 7
US-11-177-648-93
Sequence 93, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry Ellis
APPLICANT: Paul Andrew Hamblin
APPLICANT: Paul Alexander Wilson
APPLICANT: Alan Peter Lewis
TITLE OF INVENTION: IMMUNOGLOBULINS
FILE REFERENCE: PB60608-2
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR FILING DATE: 2004-12-20
PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: GB0329684.5
PRIOR FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 93
LENGTH: 462
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 2A10 heavy chain humanised construct H20
US-11-177-648-93

Query Match 94.4%; Score 2247.5; DB 11; Length 462;
Best Local Similarity 95.1%; Pred. No. 2.1e-136;
Matches 424; Conservative 5; Mismatches 14; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKRQSSGVKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
   |||||
DB 20 QVQLVSGAEVKKRQSGASVKKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTNY 79
   |||||
QY 61 NQKPKDATTITADESTNTAYMELSLRSEDTAVYYCARGGGVDPYNGQGLTVTVSSASTK 120
   |||||
DB 80 NEKFKSRATITVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLTVTVSSASTK 136
   |||||
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
   |||||
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
   |||||
QY 181 LSSVTVPSSSLGQTQYICNVNHNKPSNTKVDKVEPKSCDKHTCCPCPAPELLGAPSVF 240
   |||||
DB 197 LSSVTVPSSSLGQTQYICNVNHNKPSNTKVDKVEPKSCDKHTCCPCPAPELLGAPSVF 256
   |||||
QY 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 300
   |||||
DB 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKRREEQYNSTYR 316
   |||||
QY 301 VVSIVLTVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 360
   |||||
DB 317 VVSIVLTVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDELTKN 376
   |||||
QY 361 QVSLTCLVKGFPYSDIAVEWESNGPENNYKTPPVLDSDGSFPLYSKLTVDKSRMQGN 420
   |||||
DB 377 QVSLTCLVKGFPYSDIAVEWESNGPENNYKTPPVLDSDGSFPLYSKLTVDKSRMQGN 436
   |||||
QY 421 VFCSCVHLEALHNHYTQKSLSLSPGK 446
   |||||
DB 437 VFCSCVHLEALHNHYTQKSLSLSPGK 462
   |||||
```

RESULT 8
US-11-177-648-27
Sequence 27, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry Ellis
APPLICANT: Paul Andrew Hamblin
APPLICANT: Paul Alexander Wilson
APPLICANT: Alan Peter Lewis
TITLE OF INVENTION: IMMUNOGLOBULINS
FILE REFERENCE: PB60608-2
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR FILING DATE: 2004-12-20
PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR FILING DATE: 2003-12-22
PRIOR APPLICATION NUMBER: GB0329684.5
PRIOR FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 462
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: 2A10 heavy chain humanised construct H6
US-11-177-648-27

Query Match 94.2%; Score 2244.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 3.3e-136;
Matches 423; Conservative 6; Mismatches 14; Indels 3; Gaps 1;

```
QY 1 QVQLVSGAEVKKRQSSGVKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
   |||||
DB 20 QVQLVSGAEVKKRQSGASVKKVCSCASGYTFTSYRMHWVRQAPGQGLEWIGYINPSTGYTNY 79
   |||||
QY 61 NQKPKDATTITADESTNTAYMELSLRSEDTAVYYCARGGGVDPYNGQGLTVTVSSASTK 120
   |||||
DB 80 NEKFKSRATITVDKSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLTVTVSSASTK 136
   |||||
```


QY 121 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
DB 137 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 196
QY 181 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 240
DB 197 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 256
QY 241 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 300
DB 257 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 316
QY 301 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 317 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 376
QY 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 377 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 436
QY 421 VFSCSVLHEALHNHTYTKSLSLSPGK 446
DB 437 VFSCSVLHEALHNHTYTKSLSLSPGK 462

RESULT 9

US-11-219-563-132
; Sequence 132, Application US/11219563
; Publication No. US20060088539A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; FILE REFERENCE: 13651.001 (B2L-001)
; CURRENT APPLICATION NUMBER: US/11/219,563
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US04/06586
; PRIOR FILING DATE: 2004-03-03
; PRIOR APPLICATION NUMBER: US 10/379,838
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 10/449,379
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deJ591
US-11-219-563-132

Query Match 94.2%; Score 2244.5; DB 10; Length 464;
Best Local Similarity 93.7%; Pred. No. 3.3e-136;
Matches 418; Conservative 14; Mismatches 13; Indels 1; Gaps 1;

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGTFITSRMHWVRQAPGQGLEWIGYINPSTGYEY 60
DB 20 EVQLVQSGPEVKKPGATVKISCKTSGYTFETIHVMVQAPEGLEWIGININPNNGGTTY 79
QY 61 NQKPKDKATITADSTNTANVMEISLRSEDPNAVYCAAGGVFDTWGQGTLLVTVSSASTK 120
DB 80 NQKPKDKATITADSTNTANVMEISLRSEDPNAVYCAAGGVFDTWGQGTLLVTVSSASTK 138
QY 121 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
DB 139 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 198
QY 181 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 240
DB 199 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 258

QY 241 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 300
DB 259 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 318
QY 301 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 319 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 378
QY 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 379 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 438
QY 421 VFSCSVLHEALHNHTYTKSLSLSPGK 446
DB 439 VFSCSVLHEALHNHTYTKSLSLSPGK 464

RESULT 10

US-11-218-813-132
; Sequence 132, Application US/11218813
; Publication No. US20060062793A1
; GENERAL INFORMATION:
; APPLICANT: Webb, Iain J.
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; FILE REFERENCE: 10448-163005
; CURRENT APPLICATION NUMBER: US/11/218,813
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US2004/006543
; PRIOR FILING DATE: 2004-03-03
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deJ591
US-11-218-813-132

Query Match 94.2%; Score 2244.5; DB 11; Length 464;
Best Local Similarity 93.7%; Pred. No. 3.3e-136;
Matches 418; Conservative 14; Mismatches 13; Indels 1; Gaps 1;

QY 1 QVQLVQSGAEVKKPGSSVKVSCKASGTFITSRMHWVRQAPGQGLEWIGYINPSTGYEY 60
DB 20 EVQLVQSGPEVKKPGATVKISCKTSGYTFETIHVMVQAPEGLEWIGININPNNGGTTY 79
QY 61 NQKPKDKATITADSTNTANVMEISLRSEDPNAVYCAAGGVFDTWGQGTLLVTVSSASTK 120
DB 80 NQKPKDKATITADSTNTANVMEISLRSEDPNAVYCAAGGVFDTWGQGTLLVTVSSASTK 138
QY 121 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 180
DB 139 GPSVPEPLAPSSKSTSGTAAAGCLVKDYFPEPVTVSNNSGALTSGVHTFPAVLQSSGLYS 198
QY 181 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 240
DB 199 LSSVTVVSSSLGTQTYICNVNHRKPSNTKVDKKEVPEKSCDKTHTPCPCAPABELLGGPSVF 258
QY 241 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 300
DB 259 LFPPEKPKQMLISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEFNNAKTKPREBOYNSTYR 318
QY 301 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 360
DB 319 VVSVTVLHADMNLNGEKYCKVSNKALPAPIEKTISKAKGPREPOVYTLPPSRDELTKN 378
QY 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 420
DB 379 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRMWOQN 438

Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 439 VFSCSVHEALHNHYTKSLSPGK 464

RESULT 11
US-11-177-648-31

; Sequence 31, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H16
US-11-177-648-31

Query Match 94.2%; Score 2243.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 3.8e-136;
Matches 422; Conservative 7; Mismatches 14; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAEVKKPSSSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 20 QVQLVQSGAEVKKPSSSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 79
Qy 61 NQKFKDATTADSTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLTVTVSSASTK 120
Db 80 NEKFKSKATLTVDSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLTVTVSSASTK 136
Qy 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMSGALTSGVHTFPAVLQSSGLYS 180
Db 137 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMSGALTSGVHTFPAVLQSSGLYS 196
Qy 181 LSSVTVPPSSSLGQTYICNVNHPKSTKVDKVEPKSCDKHTCTPCPAPELLGAPSVF 240
Db 197 LSSVTVPPSSSLGQTYICNVNHPKSTKVDKVEPKSCDKHTCTPCPAPELLGAPSVF 256
Qy 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEOYNSTYR 300
Db 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEOYNSTYR 316
Qy 301 VVSIVTLVHODWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 360
Db 317 VVSIVTLVHODWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 376
Qy 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFPLYSKLTVDKSRWQGN 420
Db 377 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFPLYSKLTVDKSRWQGN 436
Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 437 VFSCSVHEALHNHYTKSLSPGK 462

RESULT 12
US-11-177-648-94

; Sequence 94, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; PRIOR FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H21
US-11-177-648-94

Query Match 94.1%; Score 2242.5; DB 11; Length 462;
Best Local Similarity 94.8%; Pred. No. 4.4e-136;
Matches 423; Conservative 5; Mismatches 15; Indels 3; Gaps 1;

Qy 1 QVQLVQSGAEVKKPSSSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db 20 QVQLVQSGAEVKKPSSSVKVCCKASGYTFSTYRMHWVRQAPGQGLEWIGYINPSTGYTEY 79
Qy 61 NQKFKDATTADSTNTAYMELSLRSEDTAVYYCARGGVFDYWGQGLTVTVSSASTK 120
Db 80 NEKFKSKATLTVDSTSTAYMELSLRSEDTAVYYCELGGQ---YWGQGLTVTVSSASTK 136
Qy 121 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMSGALTSGVHTFPAVLQSSGLYS 180
Db 137 GPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPTVSNMSGALTSGVHTFPAVLQSSGLYS 196
Qy 181 LSSVTVPPSSSLGQTYICNVNHPKSTKVDKVEPKSCDKHTCTPCPAPELLGAPSVF 240
Db 197 LSSVTVPPSSSLGQTYICNVNHPKSTKVDKVEPKSCDKHTCTPCPAPELLGAPSVF 256
Qy 241 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEOYNSTYR 300
Db 257 LFPKPKDQMLISRTPEVTCVVVDVSHEDPEVKFMYVDGVEVHNAKTKPREEOYNSTYR 316
Qy 301 VVSIVTLVHODWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 360
Db 317 VVSIVTLVHODWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 376
Qy 361 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFPLYSKLTVDKSRWQGN 420
Db 377 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSDGSFPLYSKLTVDKSRWQGN 436
Qy 421 VFSCSVLHEALHNHYTKSLSPGK 446
Db 437 VFSCSVHEALHNHYTKSLSPGK 462

RESULT 13

US-11-177-648-97
; Sequence 97, Application US/11177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry Ellis
; APPLICANT: Paul Andrew Hamblin
; APPLICANT: Paul Alexander Wilson
; APPLICANT: Alan Peter Lewis

```
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; CURRENT FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H24
US-11-177-648-97
```

```
Query Match          94.1%; Score 2241.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 5.1e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;
```

```
QY 1 QVOLVSGAEYKPKSSYKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTEY 60
DB 20 QVOLVSGAEYKPKGASVKVSCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTNY 79
QY 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 80 NEKFKSKATLTVDSTSTAYMELSLRSEDTAVYYCELGQG---YMGQGLTVTVSSASTK 136
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
QY 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
DB 181 LSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTHCPCPAPPELLGSPSVF 240
QY 197 LSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 256
DB 241 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTKPREEOYNSTYR 300
QY 257 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTKPREEOYNSTYR 316
DB 301 VVSVLTVLHQMNLNGKEKCKVSNKALPAPIEKTISKAKGPRERQVYTLPPSRDELTKN 360
QY 317 VVSVLTVLHQMNLNGKEKCKVSNKALPAPIEKTISKAKGPRERQVYTLPPSRDELTKN 376
DB 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTTTPVLDSGDFLYSKLTVDKSRMOQN 420
QY 377 QVSLTCLVKGFPSPDIAVWESNQPENNYKTTTPVLDSGDFLYSKLTVDKSRMOQN 436
DB 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
QY 437 VFSCSVLHEALHNHYTQKSLSLSPGK 462
DB 437 VFSCSVLHEALHNHYTQKSLSLSPGK 462
```

RESULT 14

```
US-11-177-648-96
; Sequence 96, Application US/11/177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry ELLIS
; APPLICANT: Paul Andrew HAMBLIN
; APPLICANT: Paul Alexander WILSON
; APPLICANT: Alan Peter LEWIS
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; CURRENT FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
```

```
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 96
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 2A10 heavy chain humanised construct H23
US-11-177-648-96
```

```
Query Match          94.1%; Score 2240.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 5.9e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;
```

```
QY 1 QVOLVSGAEYKPKGSSYKVCCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTEY 60
DB 20 QVOLVSGAEYKPKGASVKVSCKASGYTFTSYRMHWVRQAPQGLEWIGYINPSTGYTNY 79
QY 61 NQKPKDAITTADESTNTAYMELSLRSEDTAVYYCARGGGVFDYWGQGLTVTVSSASTK 120
DB 80 NEKFKSKATLTVDSTSTAYMELSLRSEDTAVYYCELGQG---YMGQGLTVTVSSASTK 136
QY 121 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 180
DB 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
QY 137 GPSVPLAPSSKSTSGGTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSSGLYS 196
DB 181 LSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTHCPCPAPPELLGSPSVF 240
QY 197 LSSVTVTPSSSLGTQTYICNVNHPKSNTKVDKVEPKSCDKHTHCPCPAPPELLGAPSVF 256
DB 241 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTKPREEOYNSTYR 300
QY 257 LPPPKDQQLMISRTPEVTCVVDVSHEDPEVKFNMYVDGVEVNAKTKPREEOYNSTYR 316
DB 301 VVSVLTVLHQMNLNGKEKCKVSNKALPAPIEKTISKAKGPRERQVYTLPPSRDELTKN 360
QY 317 VVSVLTVLHQMNLNGKEKCKVSNKALPAPIEKTISKAKGPRERQVYTLPPSRDELTKN 376
DB 361 QVSLTCLVKGFPSPDIAVWESNQPENNYKTTTPVLDSGDFLYSKLTVDKSRMOQN 420
QY 377 QVSLTCLVKGFPSPDIAVWESNQPENNYKTTTPVLDSGDFLYSKLTVDKSRMOQN 436
DB 421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
QY 437 VFSCSVLHEALHNHYTQKSLSLSPGK 462
DB 437 VFSCSVLHEALHNHYTQKSLSLSPGK 462
```

RESULT 15

```
US-11-177-648-92
; Sequence 92, Application US/11/177648
; Publication No. US20060029603A1
; GENERAL INFORMATION:
; APPLICANT: Jonathon Henry ELLIS
; APPLICANT: Paul Andrew HAMBLIN
; APPLICANT: Paul Alexander WILSON
; APPLICANT: Alan Peter LEWIS
; TITLE OF INVENTION: IMMUNOGLOBULINS
; FILE REFERENCE: PB60608-2
; CURRENT APPLICATION NUMBER: US/11/177,648
; CURRENT FILING DATE: 2005-07-06
; PRIOR APPLICATION NUMBER: PCT/GB2004/005325
; PRIOR FILING DATE: 2004-12-20
; PRIOR APPLICATION NUMBER: GB0329711.6
; PRIOR FILING DATE: 2003-12-22
; PRIOR APPLICATION NUMBER: GB0329684.5
; PRIOR FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92
; LENGTH: 462
```

```

: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: 2A10 heavy chain humanised construct H19
US-11-177-648-92

Query Match      94.0%; Score 2239.5; DB 11; Length 462;
Best Local Similarity 94.6%; Pred. No. 6.8e-136;
Matches 422; Conservative 6; Mismatches 15; Indels 3; Gaps 1;

QY      1 QVQLVQSGAEVKKPGSSVKVSCKASGYSFTISYRMHWVRQAPGQGLEWIGYINPSTGYTEY 60
Db      20 QVQLVQSGAEVKKPGASVKVSCKASGYFTSYMMHWVRQRPQGQGLEWIGININPSNGGTYN 79
QY      61 NQKPKDATTADSTNTAVNELSLRSEDTAVVYCARGGVFPDYWGQGLTVYSASTK 120
Db      80 NEKPKSRATMTDRDSTSTAYNELSLRSEDTAVVYCELGQ--YWGQGLTVYSASTK 136
QY      121 GPSVFPLAPSSKSTSGGTALGCLVKDYFPPPTVSNNSGALTSGVHTFPAPVLQSSGLYS 180
Db      137 GPSVFPLAPSSKSTSGGTALGCLVKDYFPPPTVSNNSGALTSGVHTFPAPVLQSSGLYS 196
QY      181 LSSVYTVPSSSLGTQYICNVNKKPSNTKVDKXVEPKSCDKYHTCPCPAPPELLGGPSVF 240
Db      197 LSSVYTVPSSSLGTQYICNVNKKPSNTKVDKVEPKSCDKYHTCPCPAPDELGAAPSVF 256
QY      241 LPPPKPKDQLMISTRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEQYNSTYR 300
Db      257 LPPPKPKDQTLMISTRPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREEQYNSTYR 316
QY      301 VVSIVLTVLHQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 360
Db      317 VVSIVLTVLHQDMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN 376
QY      361 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQGN 420
Db      377 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQGN 436
QY      421 VFSCSVLHEALHNHYTQKSLSLSPGK 446
Db      437 VFSCSVMHEALHNHYTQKSLSLSPGK 462
```

Search completed: May 15, 2006, 12:03:28
Job time : 26.7178 secs